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June 12, 2009

Sally Dewes
NYSDEC – Remedial Bureau C
625 Broadway
Albany, New York 12233-7016

Re: Soil Vapor Investigation Report
Magna Metals Site
NYSDEC Site No. 360003
Cortlandt, New York

Dear Ms. Dewes:

On behalf of ISC Properties, enclosed are two hard copies and one electronic copy of the Soil Vapor Investigation Report for the Magna Metals site. If you have any question or require additional information, please contact me at 914-922-9356.

Sincerely,

AKRF , Inc.

A handwritten signature in black ink, appearing to read "P. Marc L." followed by a stylized surname.

Marc S. Godick, LEP
Senior Vice President

cc: N. Walz – NYSDOH
E. Wactlar – Moomjian, Waite, Wactlar & Coleman
N. Ward-Willis – Keane & Beane
M. Sielski – TTECI
D. Duthaler – Baker Properties
B. Zieroff – AKRF

**Magna Metals Site
NYSDEC Site No. 360003
CORTLANDT, NEW YORK**

Soil Vapor Investigation Report

AKRF Project Number: 40256

Prepared by:



**AKRF, Inc.
34 South Broadway, Suite 314
White Plains, NY 10601**

JUNE 2009

1.0 INTRODUCTION

Investigation at the Magna Metals Site, located in Cortlandt, New York, has been conducted to comply with a New York State Department of Environmental Conservation's (NYSDEC) Consent Order (Site No. 360003). In November 2006, the NYSDEC issued correspondence requesting sampling of the office/warehouse building located east of the former Magna Metals building to confirm that soil vapor intrusion is not occurring. In June 2007, AKRF, Inc. (AKRF) submitted a Soil Vapor Investigation Report to the NYSDEC that summarized the results of sub-slab soil vapor samples and air sampling completed to satisfy the NYSDEC requirements. In September 2007, the NYSDEC issued correspondence requesting that additional work be performed. In May 2008, AKRF submitted a Soil Vapor Investigation Report to the NYSDEC that summarized the results of sub-slab soil vapor samples and air sampling completed to satisfy the NYSDEC requirements. In February 2009, the NYSDEC issued correspondence requesting a third sampling event be performed in accordance with the December 2007 Soil Vapor Investigation Work Plan. This report documents the collection and analysis of sub-slab soil vapor and ambient air samples collected during the 2008-2009 heating season to satisfy the NYSDEC requirements.

2.0 SITE DESCRIPTION

2.1 Site Location

The Magna Metals site is located in the Town of Cortlandt, Westchester County, New York, near the intersection of Furnace Dock Road and Maple Avenue. A site location map is included in Figure 1. Nearby towns include Peekskill and Croton-on-Hudson, and the Hudson River is located 3 miles west of the site.

2.2 Site and Vicinity Characteristics

Locally, the site is part of a larger commercial property owned by Baker Properties, having several operating businesses which currently include Polymedco, Inc., Motion Labs, Inc., and International Purchasing Systems. The office/warehouse building was reported by the owner to include some manufacturing activities. Baker Properties acquired the property from ISC Properties, Inc. (ISCP) in 1982, and has leased it to various tenants. The identity of these tenants, their use of the property, and their waste disposal practices are unknown. The Croton Egg Farm and an inactive emery mine are located to the west and to the north-northwest of the site, respectively. To the north, south, and east of the project site are residential areas. A wetland area is located between the site and the residential area southwest of the site.

2.3 Site Geology, Hydrogeology and Subsurface Characteristics

Topography is variable throughout the 0.5-mile radius from the site. Elevations range from 300 to 600 feet above mean sea level (MSL). On the former Magna Metals site, topography ranges from 360 feet MSL along the eastern site boundary to 320 feet MSL along the western site boundary. Stormwater drainage flows towards the west, following site topography, and drains into an unnamed tributary to Furnace Brook. The tributary flows south/southwest and discharges into a pond located in a large wetland area.

Stormwater on the former Magna Metals site leaves the site via overland flow and enters into the unnamed tributary. One catch basin was observed by Tetra Tech FW, Inc. (TTI) on the former site property. This basin is located in the central western portion of the site and collects discharge water from a roadway/parking area. The roadway is a mix of gravel and pavement. A search for the catch basin's outfall pipe was conducted along the unnamed tributary. An outfall pipe was

not located. The stormwater collection system on Furnace Dock Road discharges into the unnamed tributary near the intersection of Furnace Dock Road and Gilman Lane.

The geologic characteristics of the subsurface conditions at the site consist primarily of a sandy to silty sand overburden unit, approximately 10 to 20 feet thick, overlying bedrock. The bedrock is mapped by the New York State Museum and Science Service as Hornblende Norite, which is a part of the Cortlandt Mafic Complex. Overburden groundwater exists in the form of a very shallow overburden aquifer (i.e., typically less than five feet in thickness). Groundwater flow from the site is in the western direction towards the stream and wetland area.

Results of the slug tests completed by TTI indicate a range in hydraulic conductivity values from 5.3×10^{-5} cm/sec (or 0.16 ft/day) at MW-1 in the higher portion of the site to 2.2×10^{-3} cm/sec (6.2 ft/day) at MW-3 in the lower portion of the leach pit area. Previous groundwater sampling by TTI indicated that some monitoring wells were observed to be dry during seasonal low groundwater conditions.

2.4 Review of Site History

Metal plating, polishing, and lacquering operations were conducted at the Magna Metals site from 1955 to 1979. During operation, iron, lead, copper, nickel, and zinc chlorides, cyanides, and sulfates were discharged to a series of leaching pits. Spent trichloroethylene (TCE) was drummed and removed. The site building is currently utilized as commercial rental space and includes three tenants: Polymedco, Inc., Motion Labs, Inc., and International Purchasing Systems. Polymedo, Inc. is a marketer and distributor of medical testing instruments and business activities include corporate management, laboratory testing of equipment, and warehouse storage. Motion Labs, Inc. is a development and manufacturing company specializing in electrical power distribution and motor/hoist control systems for rigging, lighting, staging and sound. International Purchasing Systems operates as a wholesale distributor of retail merchandise.

2.5 Previous Studies

Between 1978 and 1984, site investigations were completed by the New York State Department of Health (NYSDOH), the NYSDEC, and William Cosulich to determine if property uses had resulted in contamination. The investigations concluded that soil, groundwater, sediment, and, surface water contamination existed at the site. Subsequently, additional environmental investigations have occurred to determine the extent of contamination. The results are as follows:

RI/FS - Foster Wheeler Environmental Corp. (1998)

In 1998, Foster Wheeler Environmental Corporation (predecessor to TTI) completed a Remedial Investigation/Feasibility Study (RI/FS) to delineate the nature and extent of leach pit/septic tank/holding tank, surface water, sediment, surface soil, subsurface soil, and groundwater contamination at the site, such that an evaluation of (1) the nature and extent of site contamination, (2) the potential impacts, if any, and (3) the remedial measure options could be performed. The field investigation program consisted of the drilling of soil borings, the installation and development of monitoring wells, the performance of a habitat-based assessment, and the sampling and analysis of various environmental media including septic tank/leach pit sludge and water, surface soil, subsurface soil, surface water, sediment, and groundwater. A geophysical survey was added to the field investigation to improve location accuracy of the leach pit/septic tank/holding tank sampling.

Draft Supplemental RI/FS – Tetra Tech EC, Inc. (2004)

In 2004, TTI completed a Draft Supplemental RI/FS to perform horizontal and vertical delineation of the soil and groundwater contamination in the potential source area of the site, the leach pit area. The investigation included a geophysical and excavation survey to locate leach pits, leach pit excavation, a homeowner well survey, installation of overburden monitoring wells and a bedrock monitoring well, and collection of soil, groundwater, surface water and sediment samples. Based on the data compiled in the supplemental investigation, TTI concluded that 13 leach pits had been discovered at the site and the concentrations and distributions of contaminant compounds and analytes detected during the Supplemental RI are consistent with contaminant concentrations and distributions detected during previous investigations. A complete listing of the detailed results and conclusions for each area of concern is included in the Supplemental RI/FS.

Supplemental Investigations - Tetra Tech EC, Inc. (2006)

In 2006, TTI completed an additional investigation, which included the collection of groundwater samples from existing wells and two new wells next to the former Magna Metals building, and soil vapor samples from three exterior locations along western side of office/warehouse building, five exterior locations within the area containing the leach pits, and one interior sub-slab sample from the building south of the Magna Metals building and the office/warehouse building.

The sampling results indicated that groundwater collected from the two new monitoring wells did not contain contaminants above NYSDEC water quality standards and the overall samples were consistent with previous data. The soil gas sample results documented that VOCs were detected at concentrations ranging from 1 to 1,900 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). TTI concluded that the sampling results were consistent with the findings of the current and previous sampling.

In November 2006, the NYSDEC issued correspondence requesting the sampling of sub-slab soil vapor from the on-site office/warehouse building to the east of the Magna Metals building to confirm that soil vapor intrusion was not occurring. This was in response to a TCE concentration of 59 micrograms per cubic meter in one soil vapor sample (SV-03) that was collected next to the office/warehouse building.

Soil Vapor Investigation – AKRF, Inc. (March 2007)

In February 2007, AKRF submitted a Soil Vapor Investigation Work Plan to outline sampling procedures for sub-slab soil vapor and indoor ambient air. The Work Plan was approved by the New York State Department of Health (NYSDOH) and NYSDEC and implementation began in March 2007.

The findings for the sub-slab sampling included TCE detections of $1,200 \mu\text{g}/\text{m}^3$ and $66,000 \mu\text{g}/\text{m}^3$ at locations SV-11 and SV-12, respectively, above the action levels in Matrix 1 of NYSDOH Guidance for Evaluating Soil Vapor Intrusion (October 2006). For PCE, two detections of 5.5 and $7.8 \mu\text{g}/\text{m}^3$ were both below the lowest action level of $100 \mu\text{g}/\text{m}^3$ in Matrix 2. 1,1,1-Trichloroethane (TCA) was not detected in any of the samples. Carbon tetrachloride was detected in one sample at a concentration of $0.53 \mu\text{g}/\text{m}^3$, which was similar to the outdoor air samples. At location SV-12, cis-1,2-dichloroethene (DCE), a breakdown product of TCE, was detected at a concentration of $11,000 \mu\text{g}/\text{m}^3$. Toluene was detected in all samples, with a maximum value of $3,300 \mu\text{g}/\text{m}^3$ at location SV-12. Cyclohexane was detected in all but one of the samples, with a maximum value of $170 \mu\text{g}/\text{m}^3$ at location SV-11.

Within the indoor air, there were no exceedences of the guidance values for either PCE ($100 \mu\text{g}/\text{m}^3$) or TCE ($5 \mu\text{g}/\text{m}^3$). Toluene was detected at all locations with the highest values of 31

$\mu\text{g}/\text{m}^3$ and $19 \mu\text{g}/\text{m}^3$ at locations SV-13 (Motion Labs) and SV-14 (Polymedco warehouse), respectively. The only other detection greater than $10 \mu\text{g}/\text{m}^3$ in indoor air samples was for n-heptane, with a value of $17 \mu\text{g}/\text{m}^3$ at location SV-13. With a sub-slab value of $31 \mu\text{g}/\text{m}^3$ at this location, the indoor air detection was unlikely to be as a result of vapor intrusion and more likely associated with the sources of VOCs associated with Motion Labs operations. All detections of other compounds were at levels similar to the outdoor air samples and below the EPA BASE 90th percentile values.

A report of the findings was prepared and submitted to NYSDEC in June 2007. In July 2007, the NYSDEC issued correspondence that included comments on the report. A revised report that addressed the NYSDEC comments was prepared and submitted to NYSDEC in July 2007.

Soil Vapor Investigation – AKRF, Inc. (March 2008)

In September 2007, The NYSDEC issued correspondence indicating additional work be performed. In October 2007, AKRF submitted a Soil Vapor Sampling Plan to collect sub-slab and indoor air samples during the 2007-2008 heating season. The Sampling Plan was approved by NYSDOH and NYSDEC and implementation began in March 2008.

The findings for the sub-slab sampling included TCE detections of $910 \mu\text{g}/\text{m}^3$, $97,000 \mu\text{g}/\text{m}^3$, $140 \mu\text{g}/\text{m}^3$ at locations SV-11, SV-12, and SV-13, respectively, above the action levels in Matrix 1 of NYSDOH Guidance for Evaluating Soil Vapor Intrusion (October 2006). There were no detections of PCE, 1,1,1-(TCA), or carbon tetrachloride in any of the collected sub-slab samples. At location SV-12, cis-1,2-dichloroethene (DCE), a breakdown product of TCE, was detected at a concentration of $11,000 \mu\text{g}/\text{m}^3$. Toluene was detected in all samples, with a maximum value of $6,800 \mu\text{g}/\text{m}^3$ at location SV-12. Cyclohexane was detected in all but one of the samples, with a maximum value of $520 \mu\text{g}/\text{m}^3$ at location SV-11. The laboratory results were consistent with the March 2007 sampling event.

Within the indoor air, there were no exceedences of the guidance values for either PCE ($100 \mu\text{g}/\text{m}^3$) or TCE ($5 \mu\text{g}/\text{m}^3$). PCE was detected in two samples, IA-10 (Polymedco lab room) and IA-14 (Polymedco warehouse) at concentrations of $0.47 \mu\text{g}/\text{m}^3$ and $2.0 \mu\text{g}/\text{m}^3$, respectively. TCE was detected in four of six indoor air samples at concentrations ranging from $1.1 \mu\text{g}/\text{m}^3$ to $3.6 \mu\text{g}/\text{m}^3$. Toluene was detected at all locations, with the highest values of $6.4 \mu\text{g}/\text{m}^3$ and $4.9 \mu\text{g}/\text{m}^3$ at locations IA-13 (Motion Labs) and SV-15 (International Purchasing Systems warehouse), respectively. The only other detection greater than $10 \mu\text{g}/\text{m}^3$ in indoor air samples was for n-heptane, with a value of $90 \mu\text{g}/\text{m}^3$ at location IA-13. With a sub-slab value of $18 \mu\text{g}/\text{m}^3$ at location SV-13, the indoor air detection was unlikely to be as a result of vapor intrusion and more likely associated with the sources of VOCs in Motion Labs detailed in Section 3.2. The remaining detections were at levels consistent with the outdoor air sample results and below the NYSDOH Upper Fence values.

A report of the findings was prepared and submitted to NYSDEC in April 2008.

3.0 FIELD PROGRAM

The objectives of the field-sampling program were to confirm that soil vapor intrusion is not occurring in office/warehouse building located east of the former Magna Metals building. The field procedures and sampling activities were completed in accordance with NYSDOH's requirements (NYSDOH, 2006). The field program is outlined in Section 3.1, and the subsequent sections give the summary of sampling implementation. The field program was conducted in accordance with the detailed methodologies

described in the NYSDEC approved Soil Vapor Sampling Plan (SVSP), which was approved by the NYSDEC on February 8, 2008.

3.1 Field Program Summary

Site access for the property and study building was agreed upon between ISCP and the property owner/manager through an access agreement. Sub-slab soil-gas samples and indoor air samples were collected at five locations from the lowest level in the office/warehouse building participating in this study. Figure 2 shows the project site building and the locations for soil gas sampling.

3.2 Pre-Sampling Survey

A pre-sampling survey was previously conducted on March 16, 2007, prior to initiating the March 2007 soil vapor sampling program. The survey was completed to document any factors that may affect indoor air quality and included interviews with building owners and/or building occupants, documentation of the building characteristics, air flow patterns, heating, venting and air conditioning, occupancy, water and sewage utilities, building operations, product inventory, and any other known factors that may affect indoor air quality. Copies of the NYSDOH Indoor Air Quality Questionnaire and Building Inventory forms and a summary of the inspection results were included in the June 2007 Soil Vapor Investigation Report. On February 21, 2008, a pre-sampling inspection walkthrough was complete prior to the March 2008 sampling event to document any material changes associated with facility operations, chemical storage, and/or structural/building components that may have occurred since the initial pre-sampling survey conducted in March 2007. Copies of the building inventory forms and a summary of the walk through results were included in the May 2008 Soil Vapor Investigation Report.

On March 16, 2009, AKRF completed a pre-sampling inspection walkthrough to document any material changes associated with the facility and to confirm that the sampling locations were accessible. Mr. Bryan Zieroff and Greg Baird of AKRF were accompanied by Ernie Sweet of Environmental Resource Management (ERM) (consultant for the site owner). The building occupants and facility operations were observed to be unchanged from the previous inspection. The tenants included:

- Polymedco, Inc. – Richard DeAlto
- Motion Labs, Inc. – John Coppolecchia
- International Purchasing Systems – Michael Brooks

A photoionization detector (PID) was used during the survey to sample ambient air for the presence of VOCs. Prior to conducting the survey, the PID was calibrated with 100 parts per million (ppm) isobutylene in accordance with the manufacturer's instructions. Compared to the previous pre-sampling inspections in February 2007 and March 2008, there were no observed changes to the building characteristics, air flow patterns, heating, venting and air conditioning, occupancy, water and sewage utilities, or building operations that would change the sampling parameters. A review of product storage areas indicated that product inventory was consistent with the March 17, 2007 inspection, with the exception of some additional items that are noted in this section for each tenant. A copy of the product inventory form for each tenant documenting changes in the product inventory from the previous inspections is included in Appendix A. Photographs taken during the survey are included in Appendix B. The building layout and tenant locations are shown on Figure 2.

Polymedco, Inc.

Polymedco occupied two sections of the site building; the western section consisted of a one story office area, laboratory, and a loading dock storage area, and the eastern portion consisted of a bulk warehouse (Figure 2). There was no known chemical storage in the office area. The lab coats that were stored in the area that contains sampling points SV-12 and AA-12 were reported as being laundered and not dry cleaned. The laboratory was observed to contain a refrigerated storage unit that stored reagents for control testing of the laboratory machines. The loading dock area contained shelved storage units that stored a variety of containerized chemicals and cleaning products. Items of note included buckets of paint, spray paint, turpentine, citrus degreaser, insect spray, varnish cleaner, greased lightning degreaser, stainless steel cleaner, wood polish, tiki-torch oil, metal polish, and spray adhesive. A PID detection of 1 ppm was noted in the lab area. There were no PID detections in the remaining areas. Storage cabinets were also present in the northern end of the warehouse. The warehouse cabinets contained spray paint and primer, paint remover, citrus degreaser, PVC primer and cement, and an assortment of disinfectants and household cleaners. Additional items of note observed in the warehouse cabinet included a one-gallon can of xylenes, one can of paint remover, and one can of power lube. The paint remover was listed as containing methylene chloride, and the power lube was listed as containing petroleum distillates. In the southern corner of the building near the floor drain, items of note included one 16-ounce can of Klean Strip and a lawn mower with a gasoline tank. The Klean Strip was listed as containing methylene chloride, xylenes, and toluene. A new shop room in the southern area of the warehouse contained a can of petroleum based lubricant and a can of CDC® brand contact cleaner. A full list of all stored compounds is attached in Appendix A. Organic vapors were not detected using the PID. A fuel oil boiler was located on the eastern side of the warehouse. The boiler area was secured by a spill containment berm. The fuel oil staining and petroleum absorbent materials that were observed on the concrete floor within the containment berm in March 2007 were still present. Fuel oil odors were evident in this area.

Motion Labs, Inc.

Motion labs occupied the section of the site building between the Polymedco office and warehouse, and the space consisted of a ground floor machine shop and a second floor manufacturing and office area. Cutting oils used for machine operation were reported as being alcohol based. Site personnel indicated that spray painting of burlap bags used for product shipment (observed in February 2007) was no longer being conducted. Small mobile shelf units (on wheels) and milk crates used for chemical storage were seen at multiple locations throughout the first floor. Stored items included polishing oil (containing petroleum distillates), cutting oil, lubricants, degreasers, and multiple types of cleaners. Stored chemicals near the sheet metal fabrication area included a five-gallon container of kerosene and a half-gallon milk container that contained gasoline. Additional shelved items included a three-gallon container of gasoline and a one-gallon container of liquid nails that contained benzene and ethylbenzene. Two 55-gallon drums of used cutting oil were stored next to the stairwell on the eastern side of the building. Additional items observed that were not documented during the March 2008 survey included ten (10) five-gallon containers of Vactra gear oil and a can of Baldwin solvent (alcohol based). Organic vapors were detected by the PID at concentrations up to 87 ppm in the area above the open container of gasoline. The second floor manufacturing area contained air driven equipment for product assembly. A commercial spray lubricant was used on the equipment and isopropyl alcohol was used for cleaning the electric panels. A storage area next to the cafeteria contained floor sealer, glass cleaner, ammonia and an assortment of household cleaners. Portable storage shelves were observed containing non-chlorinated degreaser spray, spray paint, a five-gallon container of light aliphatic naptha, and containers of locking cement for nuts/bolts. Flammable material storage cabinets were located on the second floor and contained solder remover, spray

lubricants, air tool cleaners (containing petroleum distillates), a five-gallon gasoline container, a one-gallon kerosene container, scotch grip adhesive, paint cans, spray paint, denatured solvent, and contact cement. The only items on the second floor that were not documented during the March 2007 survey included a can of Rustoleum® paint, a can of Misty® spray adhesive, and a can of air tool cleaner containing heptanes. There were no detections with the PID while screening the indoor air on the second floor.

An external boiler room was enclosed in an outdoor area on the north end of the Motion Labs section of the building. The boiler room contained a fuel oil boiler and a compressor. Multiple one-gallon paint cans and a five-gallon paint bucket were stored in the boiler room.

International Purchasing Systems

International Purchasing Systems occupied the eastern portion of the site building and consisted of a dry goods warehouse and a small office area. There was no chemical usage or storage reported to be associated with business operations. An oil furnace was used to heat the office area. The warehouse was not heated. A small janitor closet contained mop buckets and a bottle of carpet cleaner. A supply closet was found to contain carpet cleaner, a one-gallon container of degreaser (containing petroleum distillates), and an assortment of household cleaners. The office area contained containers of Simple Green®, deck cleaner, de-icer, carb and choke cleaner, and window cleaner. The deck cleaner and de-icer contained alcohols, ethers, and glycols, and the carb and choke cleaner was listed as containing toluene, acetone, and methanol. Items not documented during the March 2008 inspection included one can of Goof Off (containing toluene and xylenes) and hydraulic fluid on the floor of the warehouse due to a leaking fork lift. There were no PID detections in the International Purchasing Systems occupied areas.

Sample Point/Sample Location Inspection

The five permanent sub-slab sample point locations (SV-11 through SV-15) were observed to be in good condition and were accessible. The six indoor air sampling locations (IA-10 through IA-15) that were confirmed by the NYSDEC in March 2008 were also accessible and cleared for sampling. The sampling locations are shown on Figure 2. The rationale for each sampling location is summarized as follows:

Soil Gas Well I.D.	Sampling Rationale
IA-10	Indoor air sample located in the southeastern corner of the office building
SV-11/IA-11	Soil gas investigation in the central area of the Polymedco office. Sub-slab point (SV-11) through floor in employee office. Indoor air sample (IA-11) on shelf in employee office.
SV-12/IA-12	Soil gas investigation in the south end of the Polymedco office area. Sub-slab point (SV-12) through concrete floor in lab coat closet. Indoor air sample (IA-12) on shelf in closet.
SV-13/IA-13	Soil gas investigation in the Motion Labs office and production area. Sub-slab point (SV-13) through 1 st floor machine shop. Indoor air sample (IA-13) in 2 nd floor office area.
SV-14/IA-14	Soil gas investigation in the office area of the Polymedco warehouse. Sub-slab point (SV-14) through floor near in northeast corner of warehouse. Indoor air location (IA-14) in small office area in the northeast corner of the warehouse.
SV-15/IA-15	Soil gas investigation in the International Purchasing Systems area. Sub-slab point (SV-15) through concrete floor in dry goods warehouse. Indoor air sample (IA-15) located in office area on north side of the warehouse.

3.3 Sub-Slab Soil Gas Sampling

On March 17, 2009, AKRF returned to the site to complete the field sampling program as stated in the SVSP. AKRF personnel were accompanied by Ernie Sweet of ERM and a representative of the NYSDEC. Prior to initiating sample collection, each sub-slab sampling point was sealed, purged, and screened for the helium tracer gas and VOCs as indicated in the SVSP. Following purging, soil gas samples were collected for VOC analysis by connecting the sample tubing to a six-liter Summa canister equipped with a vacuum gauge and flow regulator set by the laboratory to collect a six-liter sample over an 8-hour sampling period. The sampling period was stopped after 8 hours or when the vacuum inside the summa canister was between 4 and 7 inches of mercury ("Hg). Photographs of the sampling process are included in Appendix B. Sampling logs are included in Appendix C. Field screening results and sampling parameters are summarized as follows:

Sample Location	Sample ID	PID Reading (ppm)	Helium Tracer Detection	Sampling Period (hrs)	Ending Vacuum ("Hg)
SV-11	SS-11	1.0	No	7.5	4
SV-12	SS-12	93.3	No	8	10
SV-13	SS-13	2.6	No	7.5	7
SV-14	SS-14	0.4	No	8	7
SV-15	SS-15	0.3	No	7.75	10
SV-15	SS-16 (duplicate of SS-15)	93.3	No	8	7

3.4 Indoor Air Sampling

Indoor air samples (labeled IA-10 through IA-15) were collected concurrently with the soil gas sampling. Five of the six indoor air sampling locations (IA-11 through IA-15) were placed in the locations agreed upon by the NYSDOH during the March 2008 Survey. The sampling was conducted in accordance with SVSP, and the parameters are summarized in the following table.

Sample ID	PID Reading (ppm)	Sampling Period (hrs)	Ending Vacuum ("Hg)
IA-10	0	8	6
IA-11	0	8	6
IA-12	0	8	22
IA-13	0	8	8
IA-14	0	8	6
IA-15	0	7.5	6
AA-1	0	7.75	8
AA-2	0	5.75	5

4.0 ANALYTICAL RESULTS

4.1 Laboratory Methods

The samples were analyzed for VOCs by EPA Method TO-15 with a detection limit of 1 $\mu\text{g}/\text{m}^3$ for all compounds, except for trichloroethylene, which had a detection limit of 0.25 $\mu\text{g}/\text{m}^3$ for indoor air samples. All sample analysis was performed in a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH-ELAP) laboratory certified to perform NYSDEC Analytical Services Protocol (ASP). The laboratory produced Category B deliverables. Samples were shipped to the laboratory with appropriate chain of custody documentation.

4.2 Quality Assurance / Quality Control

In addition to the laboratory analysis of the field samples, additional analysis was included for quality control measures. These samples included one duplicate, reported as SV-16, taken at the sub-slab location SV-12 and two background ambient (outdoor) air samples, reported as AA-1 and AA-2, which were collected on the northeastern and southwestern corners of the building, respectively. All three samples were analyzed for VOCs by EPA Method TO-15. Category B deliverables are included in Appendix D.

4.3 Laboratory Results

Sub-Slab Samples

Sub-slab analytical results are summarized in Table 1. The sampling results from March 2007 and March 2008 are included in the table for comparison. Concentrations of detected VOCs were compared to the action level guidance values (from Matrix 1 and Matrix 2) of the NYSDOH Soil Vapor Intrusion Guidance and values in NYSDOH Summary of Indoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in New York State, 1997-2003, which provides a means of comparison of indoor air to background conditions.

TCE detections of 750 $\mu\text{g}/\text{m}^3$, 110,000 $\mu\text{g}/\text{m}^3$, and 59 $\mu\text{g}/\text{m}^3$ were recorded at locations SV-11, SV-12, and SV-13, respectively, above the action levels in Matrix 1. PCE detections of 2.4 $\mu\text{g}/\text{m}^3$ and 6.6 $\mu\text{g}/\text{m}^3$ were detected at locations SV-13 and SV-14, respectively, below the action levels in Matrix 1. 1,1,1-trichloroethane (TCA) was detected at location SV-13 at 4.4 $\mu\text{g}/\text{m}^3$, which is below the action levels in Matrix 1. Carbon tetrachloride was not detected in any of the collected sub-slab samples. At location SV-12, a value of 18,000 $\mu\text{g}/\text{m}^3$ was recorded for cis-1,2-dichloroethene (DCE), a breakdown product of TCE. Benzene was detected at location SV-13 at a concentration of 0.7 $\mu\text{g}/\text{m}^3$. Toluene was detected in all samples with a maximum value of 980 $\mu\text{g}/\text{m}^3$ at location SV-12. Cyclohexane was detected in all but two of the samples with a maximum value of 110 $\mu\text{g}/\text{m}^3$ at location SV-13. The laboratory results were consistent with the March 2007 and March 2008 sampling events.

Indoor Air Samples

Indoor air analytical results and guidance values included in Table 3.1 of the NYSDOH Soil Vapor Intrusion Guidance are included in Table 2. There were no exceedences of the guidance values for either PCE (100 $\mu\text{g}/\text{m}^3$) or TCE (5 $\mu\text{g}/\text{m}^3$). PCE was detected in two samples, IA-14 (Polymedco warehouse) and IA-15 (IPS Warehouse), at concentrations of 1.6 $\mu\text{g}/\text{m}^3$ and 0.59 $\mu\text{g}/\text{m}^3$, respectively. TCE was detected in each of the six indoor air samples at concentrations ranging from 0.36 $\mu\text{g}/\text{m}^3$ to 4.0 $\mu\text{g}/\text{m}^3$. Toluene was detected at all locations, with the highest values of 34 $\mu\text{g}/\text{m}^3$ and 11 $\mu\text{g}/\text{m}^3$ at locations IA-13 (Motion Labs) and SV-15 (International Purchasing Systems warehouse), respectively. The only other detection greater than 10 $\mu\text{g}/\text{m}^3$ in

indoor air samples was for n-heptane, with a value of 94 $\mu\text{g}/\text{m}^3$ at location IA-13. With a subslab value of 0.86 $\mu\text{g}/\text{m}^3$ at location SV-13, the indoor air detection is unlikely to be as a result of vapor intrusion and more likely associated with the sources of VOCs in Motion Labs detailed in Section 3.2. The remaining detections were at levels consistent with the outdoor air sample results and below the NYSDOH Upper Fence values.

5.0 CONCLUSIONS

No indoor air values for TCE were above the air guidance value of $5 \mu\text{g}/\text{m}^3$ in Table 3.1 of the NYSDOH Soil Vapor Intrusion Guidance. Although there is no evidence of exposure to workers at the site based upon indoor air sampling results, elevated concentrations of TCE, and to a lesser extent 1,2-DCE and toluene, were detected in the subslab soil gas beneath the Polymedco office area and the Motion labs warehouse area. The indoor air sample for SV-13 was taken within the Motion Labs building where a number of possible sources of toluene and other petroleum compounds were present as detailed in Section 3.2, but the detected concentration was below the NYSDOH Indoor Air Upper Fence value. Sampling data indicates that soil vapor intrusion is not occurring within the Motion Labs and International Purchasing Systems spaces and that the potential for soil vapor intrusion to occur is not likely. The Feasibility Study should evaluate future vapor intrusion monitoring and/or mitigation requirements for the site.

6.0 REFERENCES

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TABLES

Table 1
Magna Metals
New York, NY
Sub-Slab Soil Vapor Analytical Results

Sample Location	Sample ID	Lab Sample ID	Date Sampled	Dilution	µg/m ³	NYSDOH Soil Vapor Guidance Values Intrusion	NYSDOH Indoor Air Value Upper Fence	SV-11 (Polymedco Office)		SV-12 (Polymedco Office)		SS-16 789553 3/17/2009 657 (Duplicate of SS-12)	
								JTPG31AD 4/5/2007	SV-11 742889 3/6/2008	SS-11 789544 3/17/2009 5	SV-12(S-S) JTPHF1AD 4/5/2007	SV-12 742892 3/6/2008	
1,1,1-Trichloroethane	NS	100/1000	2.5		8.7 U	6 U	5.5 U	600 U	600 U	820 U	820 U	820 U	710 U
1,1,2,2-Tetrachloroethane	NS	0.38	11 U		7.6 U	6.9 U	6.9 U	850 U	760 U	1000 U	1000 U	820 U	890 U
1,1,2-Trichloroethane	NS	0.38	8.7 U		6 U	5.5 U	6.5 U	800 U	800 U	820 U	820 U	820 U	710 U
1,1-Dichloroethane	NS	0.38	6.5 U		4.5 U	4 U	500 U	450 U	500 U	610 U	610 U	530 U	530 U
1,1-Dichloroethylene	NS	0.4	6.3 U		4.4 U	4 U	480 U	440 U	480 U	580 U	580 U	520 U	520 U
1,2-Dibromoethane (EDB)	NS	0.38	12 U		8.5 U	7.7 U	950 U	850 U	950 U	1200 U	1200 U	1000 U	1000 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	0.42	11 U		7.7 U	7 U	870 U	770 U	870 U	1000 U	1000 U	910 U	910 U
1,2-Dichloroethane	NS	0.37	6.5 U		4.5 U	4 U	500 U	450 U	500 U	610 U	610 U	530 U	530 U
1,2-Dichloropropane	NS	0.39	7.4 U		5.1 U	4.6 U	500 U	500 U	500 U	510 U	510 U	600 U	600 U
1,3,5-Trimethylbenzene	NS	3.9	7.9 U		5.4 U	4.9 U	610 U	540 U	610 U	740 U	740 U	640 U	640 U
1,3-Butadiene	NS	0.49	7.1 U		6.2 U	5.5 U	550 U	600 U	550 U	820 U	820 U	730 U	730 U
2,2,4-Trimethylpentane	NS	NL	19 U		5.1 U	4.7 U	1500 U	510 U	1500 U	700 U	700 U	610 U	610 U
3-Chloropropene	NS	NL	5		8.8 U	7.8 U	350 U	850 U	350 U	1200 U	1200 U	1000 U	1000 U
4-Ethyltoluene	NS	NL	16 U		5.4 U	4.9 U	1200 U	540 U	1200 U	740 U	740 U	640 U	640 U
Benzene	NS	13	5.1 U		3.5 U	3.2 U	400 U	350 U	400 U	420 U	420 U	420 U	420 U
Bromodichloromethane	NS	NL	11 U		7.4 U	6.7 U	840 U	740 U	840 U	1000 U	1000 U	870 U	870 U
Bromoform	NS	NL	17 U		11 U	10 U	1300 U	1100 U	1300 U	1600 U	1600 U	1300 U	1300 U
Bromomethane	NS	0.48	6.2 U		4.3 U	3.9 U	480 U	430 U	480 U	580 U	580 U	500 U	500 U
Carbon tetrachloride	5/50/250	1.3	5 U		6.9 U	6.3 U	390 U	690 U	390 U	940 U	940 U	820 U	820 U
Chloroethane	NS	0.39	4.2 U		2.9 U	2.9 U	330 U	330 U	330 U	290 U	290 U	980 U	980 U
Chloroform	NS	1.2	7.8 U		5.4 U	4.9 U	610 U	540 U	610 U	730 U	730 U	630 U	630 U
cis-1,2-Dichloroethene	NS	0.41	6.3 U		4.4 U	4 U	11000	11000	11000	18000	18000	16000	16000
cis-1,3-Dichloropropene	NS	0.38	7.3 U		5 U	4.5 U	570 U	500 U	570 U	970 U	970 U	1300 U	1300 U
Cyclohexane	NS	6.3	170		4.1	12	1100 U	520	1100 U	520	520	450 U	450 U
Dibromochloromethane	NS	NL	14 U		9.4 U	8.5 U	1100 U	940 U	1100 U	1300 U	1300 U	1100 U	1100 U
Dichlorodifluoromethane	NS	10	7.9 U		14 U	12 U	620 U	1300 U	620 U	1600 U	1600 U	1600 U	1600 U
Ethylbenzene	NS	6.4	6.9 U		4.8 U	4.3 U	540 U	480 U	540 U	610 U	610 U	530 U	530 U
Methyl tert-butyl ether	NS	14	29 U		10 U	9 U	2200 U	970 U	2200 U	1300 U	1300 U	1200 U	1200 U
Methylene Chloride	NS	16	NA		9.7 U	8.7 U	NA	940 U	940 U	1300 U	1300 U	1100 U	1100 U
m-Xylene & p-Xylene	NS	11	16		4.8 U	4.1 U	540 U	480 U	480 U	1600 U	1600 U	1400 U	1400 U
n-Heptane	NS	18	16 U		4.5 U	4.1 U	1300 U	1300 U	1300 U	1800 U	1800 U	1700 U	1700 U
n-Hexane	NS	14	84		9.9 U	8.8 U	1400	950 U	1400	1300 U	1300 U	1200 U	1200 U
o-Xylene	NS	7.1	6.9 U		4.8 U	4.3 U	540 U	480 U	540 U	650 U	650 U	560 U	560 U
Tetrachloroethene	100/1000	2.5	11 U		7.5 U	6.8 U	850 U	750	850 U	1000 U	1000 U	880 U	880 U
Toluene	NS	57	450		45	10	3300	6800	3300	980	980	940	940
trans-1,2-Dichloroethene	NS	NL	6.3 U		4.4 U	4 U	490 U	440 U	490 U	590 U	590 U	520 U	520 U
trans-1,3-Dichloropropene	NS	0.4	7.3 U		5 U	4.5 U	570 U	500 U	570 U	680 U	680 U	590 U	590 U
Trichloroethene	5/50/250	0.46	1200		910	750	66000	97000	66000	130000	130000	110000	110000
Trichlorofluoromethane	NS	12	9 U		6.2 U	5.6 U	700 U	620 U	700 U	840 U	840 U	730 U	730 U
Vinyl bromide	NS	NL	7 U		4.8 U	4.4 U	550 U	480 U	550 U	660 U	660 U	570 U	570 U
Vinyl chloride	NS	0.37	4.1 U		2.8 U	2.6 U	320 U	280 U	320 U	380 U	380 U	330 U	330 U

NL - Not listed

Soil vapor guidance values for monitoring and mitigation presented in Matrices 1 & 2 of
New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in
the State of New York, October 2006.

Table 1
Magna Metals

New York, NY

Sub-Slab Soil Vapor Analytical Results

Sample Location Sample ID Lab Sample ID Date Sampled Dilution	NYSDOH Soil Vapor Guidance Values Intrusion	NYSDOH Indoor Air Value Upper Fence	SV-13 (Motion Labs)			SV-14 (Polymedco Warehouse)		
			SV-13(S.S.) JTPH51AD 4/5/2007	SV-13 DUP(S.S.) JTPH11AD 4/5/2007	SV-13 742882 3/6/2008	SV-14(S.S.) JTPH91AD 4/5/2007	SV-14 742885 3/6/2008	SS-14 789549 3/17/2009
ug/m ³	ug/m ³	ug/m ³						1
1,1,1-Trichloroethane	NS	2.5	4.4 U	4.4 U	17 U	4.4	0.87 U	1.6 U
1,1,2,2-Tetrachloroethane	NS	0.38	5.5 U	5.5 U	21 U	1.4 U	1.1 U	2.1 U
1,1,2-Trichloroethane	NS	0.38	4.4 U	4.4 U	17 U	1.1 U	0.87 U	1.6 U
1,1-Dichloroethane	NS	0.38	3.2 U	3.2 U	13 U	0.81 U	0.65 U	1.2 U
1,1-Dichloroethene	NS	0.4	3.2 U	3.2 U	12 U	0.79 U	0.63 U	1.2 U
1,2-Dibromoethane (EDB)	NS	0.38	6.1 U	6.1 U	24 U	1.5 U	1.2 U	2.3 U
1,2-Dibromo-1,1,2,2-tetrafluoroethane	NS	0.42	5.6 U	5.6 U	22 U	1.4 U	1.1 U	2.1 U
1,2-Dichloroethane	NS	0.37	3.2 U	3.2 U	13 U	0.81 U	0.65 U	1.2 U
1,2-Dichloropropane	NS	0.39	3.7 U	3.7 U	14 U	0.92 U	0.74 U	1.4 U
1,3,5-Trimethylbenzene	NS	3.9	3.9 U	3.9 U	15 U	1	0.79 U	1.5 U
1,3-Butadiene	NS	0.49	3.5 U	3.5 U	17 U	1.1 U	0.71 U	1.7 U
2,2,4-Trimethylpentane	NS	NL	9.3 U	9.3 U	14 U	0.93 U	1.9 U	3
3-Chloropropene	NS	NL	2.5 U	2.5 U	24 U	1.6 U	0.5 U	2.3 U
4-Ethyltoluene	NS	NL	7.9 U	7.9 U	15 U	0.98 U	1.6 U	1.5 U
Benzene	NS	13	2.9	2.6 U	9.9 U	0.67	2.6	0.96 U
Bromodichloromethane	NS	NL	5.4 U	5.4 U	21 U	1.3 U	1.1 U	2 U
Bromoform	NS	NL	8.3 U	8.3 U	32 U	2.1 U	1.7 U	3.1 U
Bromomethane	NS	0.48	3.1 U	3.1 U	12 U	0.78 U	0.62 U	1.2 U
Carbon tetrachloride	NS	1.3	2.5 U	2.5 U	20 U	1.3 U	0.5 U	1.9 U
Chloroethane	NS	0.39	2.1 U	2.1 U	8.2 U	1.3 U	0.42 U	0.79 U
Chloroform	NS	1.2	3.9 U	3.9 U	15 U	0.98 U	0.78 U	1.5 U
cis-1,2-Dichloroethene	NS	0.41	3.2 U	3.2 U	12 U	0.79 U	0.63 U	1.2 U
cis-1,3-Dichloropropene	NS	0.38	3.6 U	3.6 U	14 U	0.91 U	0.73 U	1.4 U
Cyclohexane	NS	6.3	97	87	110	0.69 U	17	17
Dibromochloromethane	NS	NL	6.8	6.8 U	26 U	1.7 U	1.4 U	2.6 U
Dichlorodifluoromethane	NS	10	4 U	4 U	38 U	2.5 U	2.3	3.7 U
Ethylbenzene	NS	6.4	9.4	6.1	17	2	0.69 U	2.4
Methyl tert-butyl ether	NS	14	14 U	14 U	28 U	1.8 U	3.3	2.7 U
Methylene Chloride	NS	16	NA	NA	27 U	1.7 U	NA	2.6 U
m-Xylene & p-Xylene	NS	11	22	14	69	6.1	0.69 U	8.7
n-Heptane	NS	18	31	27	18	0.86	1.6 U	1.8
n-Hexane	NS	14	88	86	33	1.8 U	18	15
o-Xylene	NS	7.1	9.6	6.1	17	1.9	0.69 U	2.3
Tetrachloroethene	NS	100/1000	2.5	7.8	5.5	21 U	2.4	1.1 U
Toluene	NS	57	600	450	1700	35	6.2	160
trans-1,2-Dichloroethene	NS	0.4	3.6 U	3.2 U	12 U	0.79 U	0.63 U	1.2 U
trans-1,3-Dichloropropene	NS	0.46	4.8	3.9	140	59	0.46	1.6 U
Trichlorofluoromethane	NS	12	4.5 U	4.5 U	17 U	1.6	1.5	1.7 U
Vinyl bromide	NS	NL	3.5 U	3.5 U	14 U	0.87 U	0.7 U	1.3 U
Vinyl chloride	NS	0.37	2 U	2 U	7.9 U	0.51 U	0.41 U	0.77 U

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in Matrices 1 & 2
New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion i
the State of New York, October 2006.

Table 1
Magna Metals
New York, NY
Sub-Slab Soil Vapor Analytical Results

Sample Location	Sample ID	Lab Sample ID	Date Sampled	Dilution	NYSDOH Soil Vapor Guidance Values Intrusion	NYSDOH Indoor Air Value Upper Fence	SV-15 (IPS Warehouse)		SS-15 789852 3/17/2009 1
							µg/m ³	µg/m ³	
1,1,1-Trichloroethane					100/1000	2.5	0.87 U	4.3 U	1.1 U
1,1,2,2-Tetrachloroethane					NS	0.38	1.1 U	5.4 U	1.4 U
1,1,2-Trichloroethane					NS	0.38	0.87 U	4.3 U	1.1 U
1,1-Dichloroethane					NS	0.38	0.65 U	3.2 U	0.81 U
1,1-Dichloroethene (EDB)					NS	0.4	0.63 U	3.1 U	0.79 U
1,2-Dibromoethane (EDB)					NS	0.38	1.2 U	6 U	1.5 U
1,2-Dichloro-1,2,2-tetrafluoroethane					NS	0.42	1.1 U	5.5 U	1.4 U
1,2-Dichloroethane					NS	0.37	0.65 U	3.2 U	0.81 U
1,2-Dichloropropane					NS	0.39	0.74 U	3.6 U	0.92 U
1,3,5-Trimethylbenzene					NS	3.9	0.79 U	3.8 U	0.98 U
1,3-Butadiene					NS	0.49	0.71 U	4.2 U	1.1 U
2,2,4-Trimethylpentane					NS	NL	1.9 U	3.6 U	0.93 U
3-Chloropropene					NS	NL	0.5 U	5.9 U	1.6 U
4-Ethyltoluene					NS	NL	1.6 U	3.8 U	0.98 U
Benzene					NS	13	2.2	2.5 U	0.64 U
Bromodichloromethane					NS	NL	1.1 U	5.2 U	1.3 U
Bromoform					NS	NL	1.7 U	8.1 U	2.1 U
Bromomethane					NS	0.48	0.62 U	3 U	0.78 U
Carbon tetrachloride					5/50/250	1.3	0.53	4.9 U	1.3 U
Chloorethane					NS	0.39	0.42 U	2.1 U	1.3 U
Chloroform					NS	1.2	0.78 U	3.8 U	0.98 U
cis-1,2-Dichloroethene					NS	0.41	0.63 U	3.1 U	0.79 U
cis-1,3-Dichloropropene					NS	0.38	0.73 U	3.5 U	0.91 U
Cyclohexane					NS	6.3	56	2.7 U	59
Dibromochloromethane					NS	NL	1.4 U	6.6 U	1.7 U
Dichlorodifluoromethane					NS	10	3.2	9.4 U	2.5 U
Ethylbenzene					NS	6.4	0.69 U	3.4 U	2.3
Methyl tert-butyl ether					NS	14	4.4	6.9 U	1.8 U
Methylene Chloride					NS	16	NA	6.6 U	1.7 U
m-Xylene & p-Xylene					NS	11	0.69 U	3.4 U	3.7
n-Heptane					NS	18	1.6 U	3.2 U	0.82 U
n-Hexane					NS	14	26	6.7 U	1.8 U
o-Xylene					NS	7.1	0.69 U	3.4 U	1.4
Tetrachloroethene					100/1000	2.5	1.1 U	5.3 U	1.4 U
Toluene					NS	57	19	11	3.4
trans-1,2-Dichloroethene					NS	0.4	0.73 U	3.1 U	0.79 U
trans-1,3-Dichloropropene					5/50/250	0.46	0.43 U	4.2 U	1.1 U
Trichloroethene					NS	12	2.3	4.4 U	1.4
Trichlorofluoromethane					NS	NL	0.7 U	3.4 U	0.87 U
Vinyl bromide					NS	0.37	0.41 U	2 U	0.51 U
Vinyl chloride					NS				

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in Matrices 1 & 2
New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion i
the State of New York, October 2006.

Table 2
Magna Metals
New York, NY
Outdoor and Indoor Air Analytical Results

Sample Location Sample ID Lab Sample ID Date Sampled Dilution	NYSDOH Indoor Air Guidance Value	NYSDOH Indoor Air Upper Fence Value	NYSDOH Outdoor Air Upper Fence Value	OUTDOOR 1(A) JTF/JM1AD 4/5/2007	AA-1 742886 3/6/2008	AA-1 789540 3/17/2009 4	OUTDOOR 2(A) JTF/JR/AD 4/5/2007	AA-2 742895 3/6/2008	AA-2 789541 3/17/2009 4	PM Copy Room SV-10(A) JTP/HG/AD 4/5/2007
µg/m ³	µg/m ³	µg/m ³	µg/m ³							
1,1,1-Trichloroethane	5	2.5	0.44 U	0.22 U	0.44 U	0.22 U	0.27 U	0.55 U	0.27 U	0.22 U
1,1,2-Tetrachloroethane	NS	0.38	0.55 U	0.27 U	0.22 U	0.27 U	0.44 U	0.44 U	0.22 U	0.27 U
1,1,2-Trichloroethane	NS	0.38	0.44 U	0.22 U	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U	0.32 U
1,1-Dichloroethene	NS	0.38	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U	0.32 U
1,1-Dichloroethene	NS	0.4	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U	0.32 U
1,2-Dibromoethane (EDE)	NS	0.38	0.61 U	0.31 U	0.31 U	0.61 U	0.31 U	0.31 U	0.31 U	0.61 U
1,2-Dichloro-1,1,2,2-tetrifluoroethane	NS	0.42	0.56 U	0.28 U	0.28 U	0.56 U	0.28 U	0.28 U	0.28 U	0.56 U
1,2-Dichloroethane	NS	0.37	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	NS	0.39	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,3,5-Trimethylbenzene	NS	3.9	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.2
1,3-Butadiene	NS	0.49	0.35 U	0.18 U	0.18 U	0.35 U	0.24 U	0.18 U	0.18 U	0.35 U
2,2,4-Trimethylpentane	NS	0.93 U	0.19 U	0.19 U	0.19 U	0.93 U	0.21 U	0.19 U	0.19 U	0.93 U
3-Chloropropene	NS	NL	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Ethyltoluene	NS	NL	0.79 U	0.2 U	0.2 U	0.79 U	0.36 U	0.2 U	0.2 U	0.79 U
Benzene	NS	13	0.48	0.48	0.54	0.91	0.67	0.61	0.61	0.57
Bromodichloromethane	NS	NL	0.54 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U	0.27 U	0.54 U
Bromoform	NS	NL	0.83 U	0.41 U	0.41 U	0.83 U	0.41 U	0.41 U	0.41 U	0.83 U
Bromomethane	NS	0.48	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	100	1.3	0.51	0.35	0.56	0.66	0.4	0.53	0.53	0.56
Chloroethane	NS	0.39	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Chloroform	NS	1.2	0.39 U	0.2 U	0.2 U	0.39 U	0.2 U	0.2 U	0.2 U	0.39 U
cis-1,2-Dichloroethene	NS	0.41	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U	0.32 U
cis-1,3-Dichloropropene	NS	0.38	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U	0.18 U	0.36 U
Cyclohexane	NS	6.3	0.69 U	1.2	0.22	0.69 U	0.14 U	0.14 U	0.14 U	0.14 U
Dibromo-chloromethane	NS	NL	0.68 U	0.34 U	0.34 U	0.68 U	0.34 U	0.34 U	0.34 U	0.68 U
Dichlorodifluoromethane	NS	10	2.2	2	3.3	3.2	2.1	2.1	3.2	2.6
Ethylibenzene	NS	6.4	0.35 U	0.26	0.17 U	0.35 U	0.3	0.19	0.19	0.41
Methyl ter-butyl ether	NS	14	1.4 U	0.14 U	0.14 U	1.4 U	0.14 U	0.14 U	0.14 U	1.4 U
Methylene Chloride	NS	16	NA	2.8 U	2.8 U	NA	2.8 U	2.8 U	2.8 U	NA
m-Xylene & p-Xylene	NS	11	0.42	0.96	0.37	0.87	1.2	0.42	0.42	1.3
n-Heptane	NS	18	0.82 U	1.1	0.34	0.94	0.39	0.3	0.3	0.82 U
n-Hexane	NS	14	0.7 U	0.35	0.53	0.76	0.6	0.46	0.46	0.7 U
o-Xylene	NS	7.1	0.35 U	0.25	0.17 U	0.35 U	0.33	0.18	0.18	0.48
Tetrachloroethene	100	2.5	0.54 U	0.28	0.27 U	0.54 U	0.35	0.27 U	0.27 U	0.54 U
Toluene	NS	57	0.97	0.98	0.75	2.2	1.6	0.94	0.94	3.8
trans-1,2-Dichloroethene	NS	NL	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U	0.32 U
trans-1,3-Dichloropropene	NS	0.4	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U	0.18 U	0.36 U
Trichloroethene	5	0.46	0.21 U	0.21 U	0.25	0.21 U	0.21 U	0.21 U	0.21 U	0.21
Trichlorofluoromethane	NS	12	1.3	0.84	1.6	1.8	1.2	1.5	1.5	1.4
Vinyl bromide	NS	NL	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl chloride	NS	0.37	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in
 Matrices 1 & 2 of New York State Department of Health Guidance for
 Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

Table 2
Magna Metals
New York, NY
Outdoor and Indoor Air Analytical Results

Sample Location	Sample ID	Lab Sample ID	Date Sampled	Dilution	µg/m ³	µg/m ³	NYSDOH Indoor Air Upper Fence Value		Polymedico Southern Lab Room		SV-11 (Polymedico Office)	
							IA-10 742893 3/6/2008	IA-19 742894 3/6/2008	(Duplicate of IA-10)	IA-10 789542 3/17/2009 4	SV-11(A,A) JTPHA1AD 4/5/2007	IA-11 742890 3/6/2008
1,1,1-Trichloroethane	NS	5			2.5	0.22 U	0.22 U	0.33	0.44 U	0.22 U	0.41	
1,1,2,2-Tetrachloroethane	NS	0.38			0.27 U	0.27 U	0.27 U	0.55 U	0.55 U	0.27 U	0.27 U	
1,1,2-Trichloroethane	NS	0.38			0.22 U	0.22 U	0.22 U	0.44 U	0.44 U	0.22 U	0.22 U	
1,1-Dichloroethane	NS	0.38			0.16 U	0.16 U	0.16 U	0.32 U	0.32 U	0.16 U	0.16 U	
1,1-Dichloroethene	NS	0.4			0.16 U	0.16 U	0.16 U	0.32 U	0.32 U	0.16 U	0.16 U	
1,2-Dibromoethane (EDB)	NS	0.38			0.31 U	0.31 U	0.31 U	0.61 U	0.61 U	0.31 U	0.31 U	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	0.42			0.28 U	0.28 U	0.28 U	0.56 U	0.56 U	0.28 U	0.28 U	
1,2-Dichloroethane	NS	0.37			0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichloropropane	NS	0.39			0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	
1,3,5-Trimethylbenzene	NS	3.9			0.49	0.39 U	0.42 U	1.2	0.45	0.54	0.54	
1,3-Butadiene	NS	0.49			0.18 U	0.18 U	0.18 U	0.35 U	0.35 U	0.18 U	0.18 U	
2,2,4-Trimethylpentane	NS	NL			0.22	0.19 U	0.19 U	0.93 U	0.93 U	0.19 U	0.19 U	
3-Chloropropene	NS	NL			0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
4-Ethyltoluene	NS	NL			0.69	0.64	0.2	0.79 U	0.79 U	0.59	0.26	
Benzene	NS	13			0.64	0.64	0.48	0.55	0.55	0.51	0.61	
Bromodichloromethane	NS	NL			0.27 U	0.27 U	0.27 U	0.54 U	0.54 U	0.27 U	0.27 U	
Bromoform	NS	NL			0.41 U	0.41 U	0.41 U	0.83 U	0.83 U	0.41 U	0.41 U	
Bromomethane	NS	0.48			0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	
Carbon tetrachloride	100	1.3			0.41	0.35	0.49	0.53	0.53	0.31	0.56	
Chloroethane	NS	0.39			0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
Chloroforom	NS	1.2			0.2 U	0.2 U	0.2 U	0.34 U	0.34 U	0.2 U	0.46	
cis-1,2-Dichloroethene	NS	0.41			0.16 U	0.16 U	0.21	0.32 U	0.32 U	0.16 U	0.26	
cis-1,3-Dichloropropene	NS	0.38			0.18 U	0.18 U	0.18 U	0.36 U	0.36 U	0.18 U	0.18 U	
Cyclohexane	NS	6.3			0.14 U	0.23	0.83	0.69 U	0.69 U	0.25	0.38	
Dibromochloromethane	NS	NL			0.34 U	0.34 U	0.34 U	0.68 U	0.68 U	0.34 U	0.34 U	
Dichlorodifluoromethane	NS	10			3.4	2.8	3.5	2.3	2.6	3		
Ethylbenzene	NS	6.4			0.38	0.3	0.24	0.49	0.49	0.19	0.22	
Methyl tert-butyl ether	NS	14			0.14 U	0.14 U	0.14 U	1.4 U	1.4 U	0.14 U	0.14 U	
Methylene Chloride	NS	16			2.8 U	2.8 U	2.8 U	NA	NA	2.8 U	2.8 U	
m-Xylene & p-Xylene	NS	11			1.6	1.1	0.56	1.4	1.4	0.78	0.56	
n-Heptane	NS	18			1.2	1.1	0.45	1.7	1.7	1.2	0.66	
n-Hexane	NS	14			0.67	0.46	0.35	0.7 U	0.7 U	0.56	0.42	
o-Xylene	NS	7.1			0.43	0.29	0.23	0.6	0.6	0.23	0.25	
Tetrachloroethene	100	2.5			0.47	0.45	0.27 U	0.54 U	0.54 U	0.52	0.27 U	
Toluene	NS	57			3.1	2.1	1.6	3.6	3.6	1.5	2	
trans-1,2-Dichloroethene	NS	NL			0.16 U	0.16 U	0.16 U	0.32 U	0.32 U	0.16 U	0.16 U	
trans-1,3-Dichloropropene	NS	0.4			0.18 U	0.18 U	0.18 U	0.36 U	0.36 U	0.18 U	0.18 U	
Trichloroethene	5	0.46			2	2	2.4	2.2	2.2	1.6	3	
Trichlorofluoromethane	NS	12			1.3	1.2	1.4	1.3	1.3	1	1.3	
Vinyl bromide	NS	NL			0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	
Vinyl chloride	NS	0.37			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in
Matrices 1 & 2 of New York State Department of Health Guidance for
Evaluating Soil Vapor Intrusion in the State of New York, October 2006

Table 2
Magna Metals
New York, NY
Outdoor and Indoor Air Analytical Results

Sample Location Sample ID Lab Sample ID Date Sampled Dilution	NYSDOH Indoor Air Guidance Value	NYSDOH Indoor Air Upper Fence Value	SV-12 (PolyMedco Office)		SV-13 (Motion Labs)	
			IA-12 JTPH-X1AD 4/5/2007	IA-13(A.A.) JTPH71AD 3/6/2008	IA-12 789846 3/17/2008	IA-13 742883 3/16/2008
[µg/m ³]	[µg/m ³]	[µg/m ³]				
1,1,1-Trichloroethane	5	2.5	0.44 U	0.22 U	0.41	0.44 U
1,1,2,2-Tetrachloroethane	NS	0.38	0.55 U	0.27 U	0.55 U	0.22 U
1,1,2-Trichloroethane	NS	0.38	0.44 U	0.22 U	0.44 U	0.27 U
1,1-Dichloroethane	NS	0.4	0.32 U	0.16 U	0.16 U	0.22 U
1,1-Dichloroethene	NS	0.38	0.32 U	0.16 U	0.32 U	0.16 U
1,2-Dibromoethane (EDB)	NS	0.61 U	0.31 U	0.31 U	0.61 U	0.16 U
1,2-Dichloro-1,1,2,2-tetrachloroethane	NS	0.42	0.56 U	0.28 U	0.56 U	0.28 U
1,2-Dichloroethane	NS	0.37	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	NS	0.39	0.37 U	0.37 U	0.37 U	0.37 U
1,3,5-Trimethylbenzene	NS	3.9	0.78	0.39 U	0.39 U	1.7
1,3-Butadiene	NS	0.49	0.35 U	0.18 U	0.18 U	0.35 U
2,2,4-Trimethylpentane	NS	NL	0.93 U	0.19 U	0.28	0.93 U
3-Chloropropene	NS	NL	0.25 U	0.25 U	0.25 U	0.25 U
4-Ethyltoluene	NS	NL	0.79 U	0.54	0.2 U	0.79 U
Benzene	NS	13	0.71	0.42	0.58	1.1
Bromodichloromethane	NS	NL	0.54 U	0.27 U	0.27 U	0.54 U
Bromoform	NS	NL	0.83 U	0.41 U	0.41 U	0.83 U
Bromomethane	NS	0.48	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	100	1.3	0.51	0.38	0.52	0.47
Chloroethane	NS	0.39	0.21 U	0.21 U	0.21 U	0.21 U
Chloroform	NS	1.2	0.39 U	0.2 U	0.38	1.1
cis-1,2-Dichloroethene	NS	0.41	0.32 U	0.23	0.35	0.32 U
cis-1,3-Dichloropropene	NS	0.38	0.36 U	0.18 U	0.18 U	0.36 U
Cyclohexane	NS	6.3	0.69 U	0.14 U	0.76	3.3
Dibromochloromethane	NS	NL	0.68 U	0.34 U	0.34 U	0.68 U
Dichlorodifluoromethane	NS	10	2.2	2.5	3.4	2.1
Ethylbenzene	NS	6.4	0.62	0.17 U	0.29	1.8
Methyl tert-butyl ether	NS	14	1.4 U	0.14 U	0.14 U	0.16 U
Methylene Chloride	NS	16	NA	2.8 U	2.8 U	NA
m-Xylenes & p-Xylene	NS	11	1.9	0.41	0.78	5.9
n-Heptane	NS	18	0.82 U	2	1.3	0.88 U
n-Hexane	NS	14	0.7 U	0.28 U	1.4	0.89
o-Xylene	NS	7.1	0.59	0.17 U	0.37	6
Tetrachloroethene	100	2.5	0.54 U	0.55	0.27 U	0.54 U
Toluene	NS	57	4	1.5	2.3	31
trans-1,2-Dichloroethene	NS	NL	0.32 U	0.16 U	0.32 U	0.16 U
trans-1,3-Dichloropropene	NS	0.4	0.36 U	0.18 U	0.36 U	0.18 U
Trichloroethene	5	0.46	2.9	3.6	4	1.4
Trichlorofluoromethane	NS	12	1.7	1	1.5	1.3
Vinyl bromide	NS	NL	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl chloride	NS	0.37	0.2 U	0.2 U	0.2 U	0.2 U

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in
Matrices 1 & 2 of New York State Department of Health Guidance for
Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

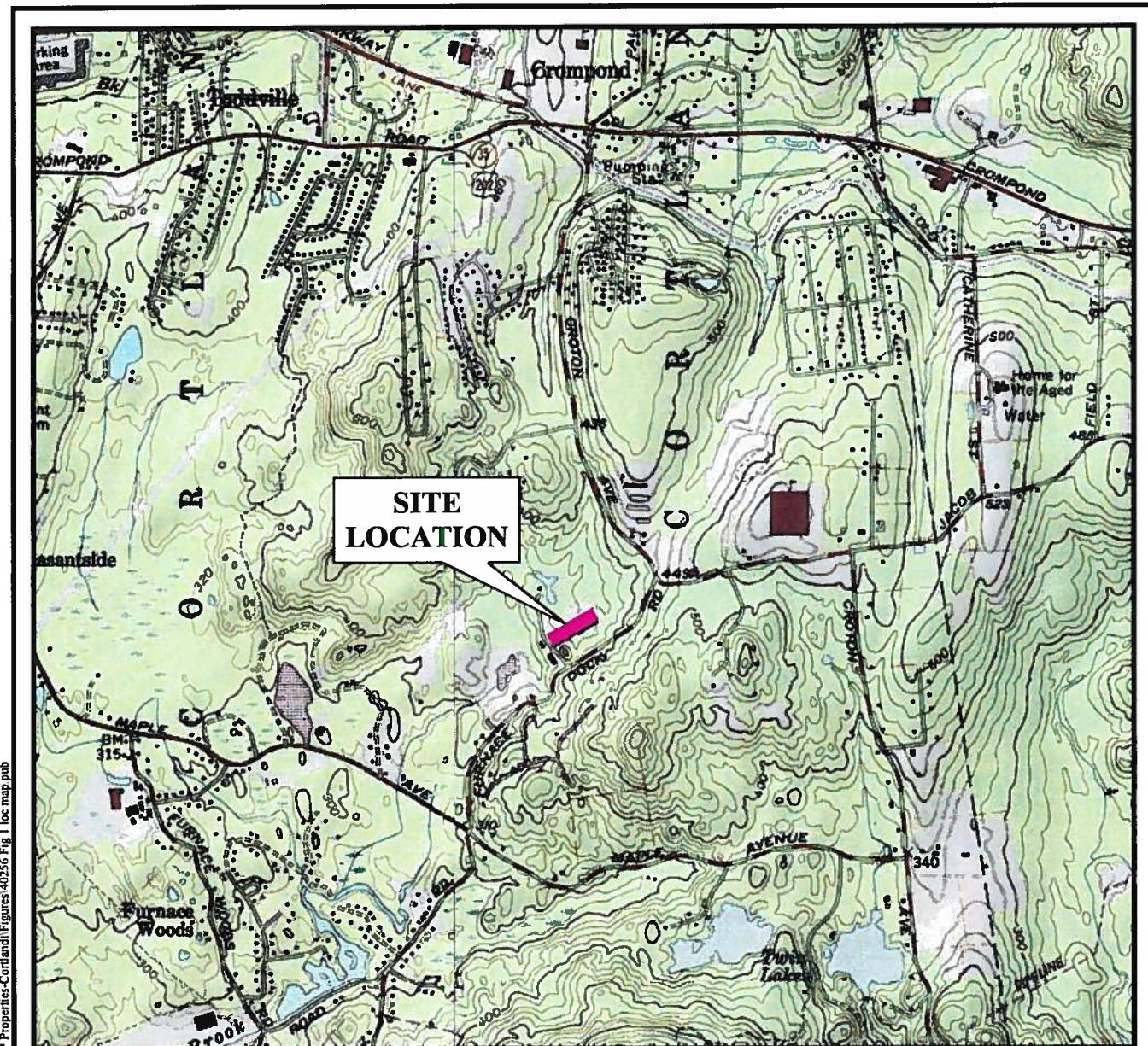
Table 2
Magna Metals
New York, NY
Outdoor and Indoor Air Analytical Results

Sample Location Sample ID Lab Sample ID Date Sampled Dilution	NYSDOH Indoor Air Guidance Value	NYSDOH Indoor Air Upper Fence Value	SV-14 (Polymedco Warehouse)		SV-15 (IPS Warehouse)		IA-15 742887 3/6/2008	IA-16 789551 3/17/2009
			IA-14 JTP/JAD 4/5/2007	IA-14 742884 3/6/2008	IA-14 789550 3/17/2009	JTP/JAD 4/5/2007		
1.1.1-Trichloroethane	5	2.5	0.44 U	0.22 U	0.44 U	0.22 U	0.22 U	0.22 U
1.1.2,2-Terachloroethane	NS	0.38	0.55 U	0.27 U	0.55 U	0.27 U	0.27 U	0.27 U
1.1.2-Trichloroethane	NS	0.38	0.44 U	0.22 U	0.22 U	0.44 U	0.22 U	0.22 U
1.1-Dichloroethane	NS	0.38	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U
1.1-Dichloroethene	NS	0.4	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U
1.2-Dibromoethane (EDB)	NS	0.38	0.61 U	0.31 U	0.31 U	0.61 U	0.31 U	0.31 U
1,2-Dichloro-1,1,2,2-tetrifluoroethane	NS	0.42	0.56 U	0.28 U	0.56 U	0.28 U	0.28 U	0.28 U
1,2-Dichloroethane	NS	0.37	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	NS	0.39	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,3,5-Trimethylbenzene	NS	3.9	0.7	0.4	0.39 U	0.71	0.39 U	0.64
1,3-Butadiene	NS	0.49	0.35 U	0.18 U	0.18 U	0.35 U	0.18 U	0.18 U
2,2,4-Trimethylpentane	NS	NL	0.93 U	0.61	0.49	0.93 U	0.19 U	0.35
3-Chloropropene	NS	NL	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Ethyltoluene	NS	NL	0.79 U	0.93	0.24	0.79 U	0.69	0.59
Benzene	NS	13	1.5	0.67	1.1	0.77	0.58	1.2
Bromodichloromethane	NS	NL	0.54 U	0.27 U	0.27 U	0.54 U	0.27 U	0.27 U
Bromoform	NS	NL	0.83 U	0.41 U	0.41 U	0.83 U	0.41 U	0.41 U
Bromomethane	NS	0.48	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	100	1.3	0.77	0.3	0.5	0.54	0.35	0.63
Chloroethane	NS	0.39	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Chloroform	NS	1.2	0.95	0.39	0.83	1.2	0.59	2.2
cis-1,2-Dichloroethene	NS	0.41	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U
cis-1,3-Dichloropropene	NS	0.38	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U
Cyclohexane	NS	6.3	1.1	0.79	1.7	0.97	1.5	1.4
Dibromochloromethane	NS	NL	0.68 U	0.34 U	0.34 U	0.68 U	0.34 U	0.34 U
Dichlorodifluoromethane	NS	10	3.6	2.3	3.2	2.2	2.5	1
Ethylbenzene	NS	6.4	3.2	0.78	1.4	1.9	1	3.9
Methyl-tert-butyl ether	NS	14	1.4 U	0.14 U	0.14 U	1.4 U	0.14 U	0.14 U
Methylene Chloride	NS	16	NA	0.28 U	0.28 U	NA	0.28 U	0.28 U
m-Xylene & p-Xylene	NS	11	7.6	2.1	2.2	4.5	2.5	5.6
n-Heptane	NS	18	1.7	0.94	0.78	4.8	3.2	1.6
n-Hexane	NS	14	1	1.3	1.4	0.7 U	0.74	0.95
o-Xylene	NS	7.1	2.8	0.69	0.78	1.8	0.65	2.3
Tetrachloroethene	100	2.5	1.3	2	1.6	0.61	0.27 U	0.59
Toluene	NS	57	19	4.5	4.5	12	4.9	11
trans-1,2-Dichloroethene	NS	NL	0.32 U	0.16 U	0.16 U	0.32 U	0.16 U	0.16 U
trans-1,2-Dichloropropene	NS	0.4	0.36 U	0.18 U	0.18 U	0.36 U	0.18 U	0.18 U
Trichloroethene	5	0.46	0.21 U	0.21 U	0.4	0.21 U	0.21 U	0.21 U
Trichlorofluoromethane	NS	12	2.2	1.1	1.7	1.4	1	1.7
Vinyl bromide	NS	NL	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl chloride	NS	0.37	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

NL - Not listed.

Soil vapor guidance values for monitoring and mitigation presented in
 Matrices 1 & 2 of New York State Department of Health Guidance for
 Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

FIGURES



© 2007 AKRF, Inc Environmental Consultants Q Westchester Data AKRFData40256 ISCP Properties-Cortlandt Figures 40256 Fig 1 loc map pub



SCALE IN FEET
0' 1000' 2000' 4000'
SCALE: 1"-2000'



SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: MOHEGAN LAKE, NY 1981

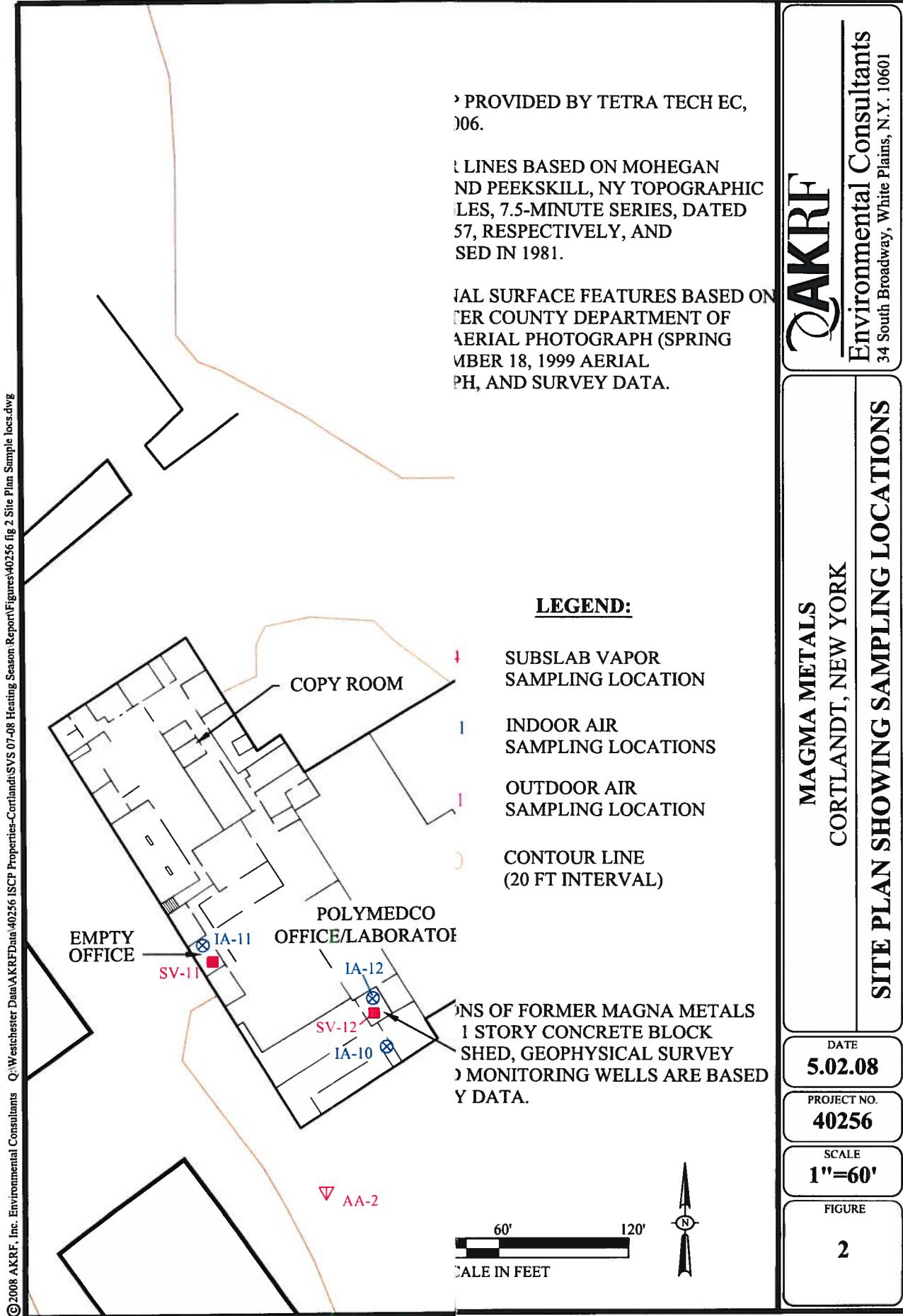
MAGNA METALS
CORTLANDT, NEW YORK

PROJECT SITE LOCATION

AKRF

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

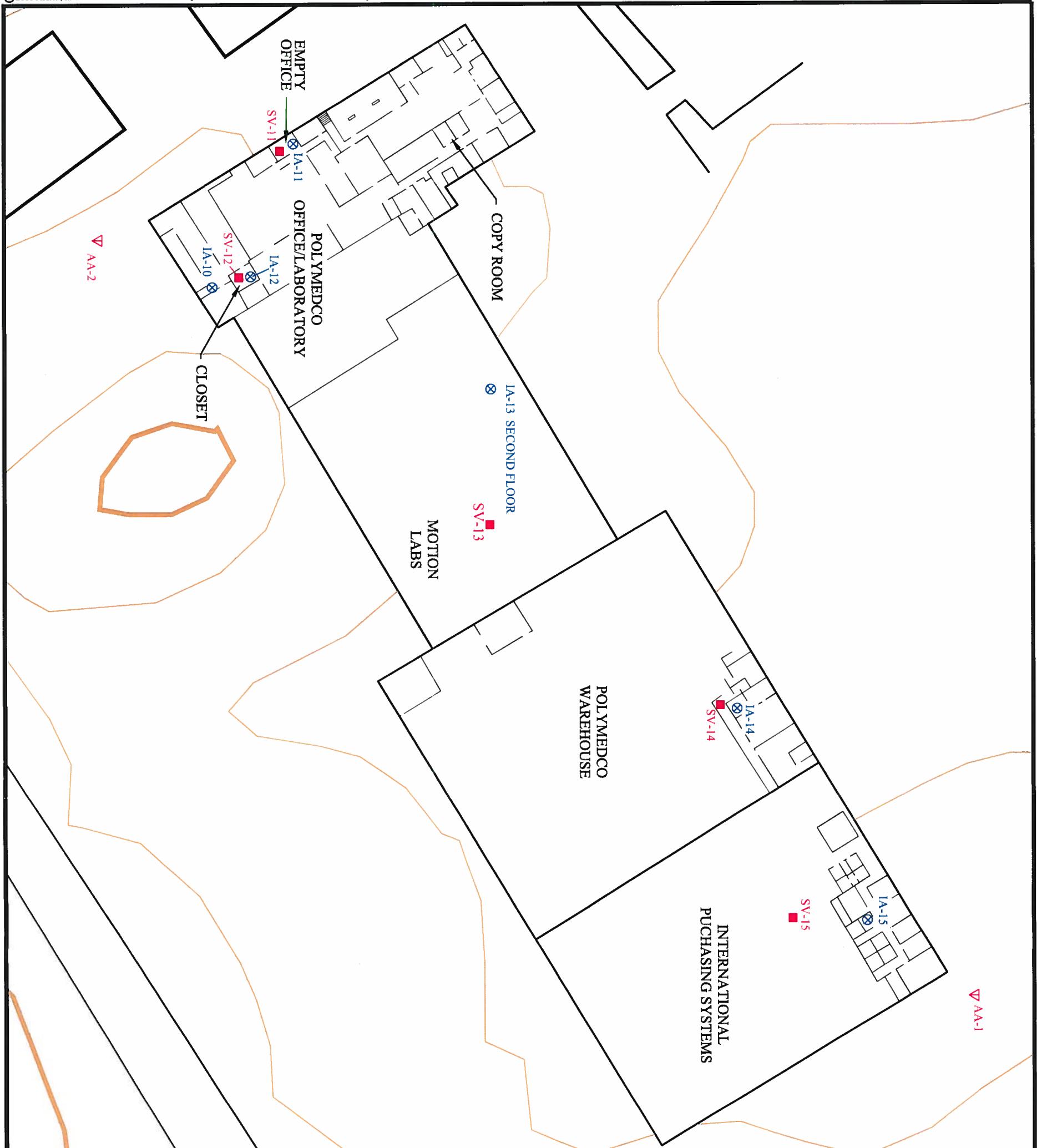
DATE 1.08.06
PROJECT No. 40256
SCALE AS SHOWN
FIGURE 1



AKRF
Environmental Consultants
34 South Broadway, White Plains, N.Y. 10601

MAGMA METALS
CORTLANDT, NEW YORK

SITE PLAN SHOWING SAMPLING LOCATIONS



SOURCES:

1. BASE MAP PROVIDED BY TETRA TECH EC,
INC. JUNE 2006.

2. CONTOUR LINES BASED ON MOHEGAN
LAKE, NY AND PEEKSKILL, NY TOPOGRAPHIC
QUADRANGLES, 7.5-MINUTE SERIES, DATED
1956 AND 1957, RESPECTIVELY, AND
PHOTOREVISED IN 1981.

3. ADDITIONAL SURFACE FEATURES BASED ON
WESTCHESTER COUNTY DEPARTMENT OF
PLANNING AERIAL PHOTOGRAPH (SPRING
1990), DECEMBER 18, 1999 AERIAL
PHOTOGRAPH, AND SURVEY DATA.

LEGEND:

- SV-14 SUBSLAB VAPOR SAMPLING LOCATION
- ⊗ IA-11 INDOOR AIR SAMPLING LOCATIONS
- ▽ AA-1 OUTDOOR AIR SAMPLING LOCATION
- 320 CONTOUR LINE (20 FT INTERVAL)

NOTES:

1. LOCATIONS OF FORMER MAGNA METALS BUILDING, 1 STORY CONCRETE BLOCK BUILDING, SHED, GEOPHYSICAL SURVEY AREA, AND MONITORING WELLS ARE BASED ON SURVEY DATA.

MAGMA METALS
CORTLAND, NEW YORK

SITE PLAN SHOWING SAMPLING LOCATIONS

AKRF

Environmental Consultants
34 South Broadway, White Plains, N.Y. 10601

DATE
5.02.08
PROJECT NO.
40256
SCALE
1"=60'

FIGURE

2

APPENDIX A
BUILDING INVENTORY FORMS

POLYMEDCO'S CHEMICAL LIST. (OFFICE) (P1)

CLOROX / DISINFECTING WIPES

LYSOL / DISINFECTANT SPRAY

AIR WICK WIZARD / SPRAY

PLEDGE / WOOD POLISH

WINDEX / WINDOW CLEANER

409 / GLASS AND SURFACE CLEANER

ZEP CITRUS / CLEANER AND DEGREASER

MURPHY / OIL SOAP

NOVUS / PLASTIC POLISH

SWEET / HOSPITAL DISINFECTANT SPRAY

DIRTEX / SPRAY CLEANER

GUARDSMAN / WAX REMOVER WOOD CLEANER

SHEETROCK JOIN COMPOUND

PIVOT / HEAVY DUTY LIQUID DETERGENT

RUGDOCTOR / STEAM CLEANER

RUGDOCTOR / ANTI-FOAM

RUGDOCTOR / HIGH TRAFFIC PRE-TREATMENT

ZEP / UPHOLSTERY CLEANER

KCF / DISINFECTANT BOWL AND BATHROOM CLEANER

CLR / CALCIUM, LIME, RUST REMOVER

GOOF OFF / REMOVER

WD 40 / 3 IN 1 OIL / TURTLEWAX / REMOVER BUG AND TAR

ARMORALL / PROTECTANT

STP / FUEL INJECTOR CLEANER

STP / GAS TREATMENT

3M SUPER 77 / MULTIPURPOSE ADHESIVE

3M SPRAY MOUNT / ARTIST ADHESIVE

KRYLON / VARNISH SPRAY

ROBERTS / SEAM SEALER

P2

PEAK / WINDSHIELD WASH
EZ / TURPENTINE

REAL KILL / WASP AND HORNET KILLER
SHOO FLY / HORNET KILLER

RAID / ANT AND ROACH KILLER
STRAIT LINE / MARKING CHALK
OATEY PLUMBER'S PUTTY

PAINT

RUST-OLEUM / TRAFFIC STRIPPING PAINT
BEHR PAINT LATEX / KILZ / STAINBLOCKER

BENJAMIN MOORE LATEX

PAINTER'S TOUCH LATEX

RUST-OLEUM LATEX

RUST-OLEUM SPRAY PAINT

KRYLON SPRAY PAINT

REVERE / EPOXI COAT FLOOR PAINT WATER BASE

DAP / CAULK

PHENOSEAL VINYL ADHESIVE CAULK

STA-BIL / CONCENTRATED FUEL STABILIZER

BERNZOMATIC / PROPANE

EXPO / WHITE BOARD CLEANER

TIKI / TORCH FUEL

EZ / BOILED LINSEED OIL

COROX / COROX CLEAN UP / COROX TOILET BOWL CLEANER

SOFT SCRUB / BLEACH CLEANER

PALMOLIVE / DISHWASHING LIQUID

HOME SELECT / DISHWASHING LIQUID

PALMOLIVE / DISHWASHER DETERGENT

CASCADE / DISHWASHER DETERGENT

ZEP / STAINLESS STEEL CLEANER

ELECTRA-SOFT / DISHWASHER JET DRY POWERBALL

POLYMERCO'S WAREHOUSE
CHEMICAL LIST

(P3)

CLOROX / CLOROX WIPEs

ZEP / CITRUS CLEANER AND DEGREASER

PEAK / WINDSHIELD WASH

BLUE CORAL / CAR WASH AND WAX CLEANER

PINE SOL / DISINFECTANT CLEANER

PAINT THINNER

GREAT STUFF / FOAM SEALANT

UGL / OXYLOCK ETCH MASONRY CLEANER

THERMATE / DEFoamer

THERMATE / STEAM CARPET CLEANER

ZEP / UPHOLSTERY CLEANER

ZIP STRIP / PAINT REMOVER

OATEY / PVC PRIMER

OATEY / PVC CEMENT

KF / BOWL AND BATHROOM DISINFECTANT

HENRY / CERAMIC TILE ADHESIVE

PRE MIXED TILE GROUT

OOPS / MULTI PURPOSE REMOVER

NO 7 / POLISHING COMPOUND

RUSTOLEUM / SPRAY PAINT

RUSTOLEUM / PRIMER

PAINTER'S TOUCH / SPRAY PAINT

XYLENE

MULTI PURPOSE GREASE

REVERE / CRET-E-ETCH

BEHR FLOOR PAINT

BEHR / PRIMER

WAREHOUSE

(P4)

ZEP / ORANGE HAND CLEANER

GREAT VALUE / BLEACH

DAWN / DISHWASHING LIQUID

GUARDSMAN / WOOD POLISH

OSS CLEANING CO. CHEMICAL LIST

SP. SPL. ELITE / GLASS AND WINDOW CLEANER

PRONTO / NON ACID DISINFECTANT BOWL AND
BATHROOM CLEANER

JAN-Q. PUBLIK / NON ACID DISINFECTANT BOWL AND
BATHROOM CLEANER

SOLUTION SERIES SUNSHINE / NEUTRAL ALL PURPOSE
CLEANER

PROSALL UNITECH / UNIVERSAL CLEANER

PROSALL STERLING / STAINLESS STEEL AND METAL POLISH
WINDEX / WINDOW CLEANER

LEMON PLUS / NEUTRAL ALL PURPOSE FLOOR AND WALL
CLEANER

SOLUTION SERIES / PINK COTTON HAND SOAP

PROSALL / RICH WOOD POLISH

SPECTROWAX / FURNITURE CLEANER AND POLISH

OLD DUTCH / CLEANSER

PROSALL / CLINI CLEAN FOAMING DISINFECTANT

SOLUTION SERIES / WINDOW AND GLASS CLEANER

GREAT VALUE / ALL PURPOSE CLEANER

13. PRODUCT INVENTORY FORM – Polymedco Warehouse

Make & Model of field instrument used: Mini Rae 2000

List of specific products found at the site that have the potential to affect indoor air quality.

Products highlighted are new items not documented during the 2007 and 2008 Pre-Sampling Survey. Products listed in grey scale were documented during the 2007 and/or 2008 survey, but not observed during the March 2009 Pre-Sampling Survey.

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

****** Photographs of the front and back of the product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM – Motion Labs, Inc. (Second Floor)

Make & Model of field instrument used: Mini Rae 2000

Products highlighted are new items not documented during the 2007 and 2008 Pre-Sampling Survey. Products listed in grey scale were documented during the 2007 and/or 2008 survey, but were not observed during the March 2009 Pre-Sampling Survey.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
2 nd Floor	Zepp floor cleaner	4 gal	U		0	Y
2 nd Floor	Glass cleaner	4 gal	U			
2 nd Floor	Elite ammonia	3 gal	U	Ammonia		
2 nd Floor	Bleach	6 gal	U			
2 nd Floor	Hand soap	8 gal	U		0	
2 nd Floor	Ajax	1 box	U			
2 nd Floor	Lysol	Many cans	U/UO			
2 nd Floor	Soft scrub	1 bottle	U			
2 nd Floor	Mr. Clean		U			
2 nd Floor	Spray lube		U	Aliphatic hydrocarbons		
2 nd Floor	Isopropyl alcohol		U			
2 nd Floor	Soldering flux		U			
2 nd Floor	Degreaser spray		U			
2 nd Floor	Spray paint		U			
2 nd Floor	Light aliphatic naptha		U			
2 nd Floor	Spray polish		U	Petroleum distillates	0	
2 nd Floor	Air Tool Cleaner	1 can	U	Heptane	0	
2 nd Floor	Misty Spray Adhesive	1 can	U	Isobutane, acetone, heptane	0	Y
2 nd Floor	Flux off		U	Petroleum distillates	0	Y
2 nd Floor	WD-40	Many cans	U	Petroleum distillates		Y
2 nd Floor	Air tool cleaner	5 gal	U	Petroleum distillates	0	
2 nd Floor	Ammonia Cleaner	3 cans	U	Ammonia		

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

** Photographs of the front and back of the product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM – Motion Labs (First Floor)

Make & Model of field instrument used: Mini Rae 2000

List of specific products found at the site that have the potential to affect indoor air quality.

Products highlighted are new items not documented during the 2007 and 2008 Pre-Sampling Survey. Products listed in grey scale were documented during the 2007 and/or 2008 survey, but were not observed during the March 2009 Pre-Sampling Survey.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
1 st Floor	Emerald topaz	1 gal	U	Degreaser		
1 st Floor	Excelene	1 can	U	Petroleum distillates		Y
1 st Floor	Cutting Oil	15 gal	U	Oil		
1 st Floor	Spray adhesive	10 cans	U	Foam Fast 74		
1 st Floor	Multiple cans of paint	1 gal	U	Paint		Y
1 st Floor	Relton Tread		U	Cutting oil		
1 st Floor	Cleaner/Degreaser	2 gal	U	Petroleum distillates	0	
1 st Floor	Tripropylene glycol methyl ether	1 bottle	U	Ether	0	
1 st Floor	Used Oil	55-gal drum	U	Oil	0	Y
1 st Floor	Lube oil	(8)-5 gal	U/UO	Oil	0	
1 st Floor	Liquid Nail	1 gal	U	Petroleum distillates, benzene, ethylbenzene	0	
1 st Floor	WD-40	1 gal		Petroleum distillates		Y
1 st Floor	WD-40	Mult. cans		Petroleum distillates		
1 st Floor	Gasoline	3 gal	U	Gas - open top on can	87	Y
1 st Floor	Rubber dip	1 can		Hexane, petroleum solvents		
1 st Floor	Gasoline – in plastic milk container	1gal	U	Gas	20	Y
1 st Floor	Vactra Gear Oil	5 gal	U	Petroleum	0	Y
1 st Floor	Denatured Solvent			Petroleum distillates	0	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

** Photographs of the front and back of the product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM – International Purchasing Systems

Make & Model of field instrument used: Mini Rae 2000

List of specific products found at the site that have the potential to affect indoor air quality.

Products highlighted are new items not documented during the 2007 and 2008 Pre-Sampling Survey. Products listed in grey scale were documented during the 2007 and/or 2008 survey, but were not observed during the March 2009 Pre-Sampling Survey.

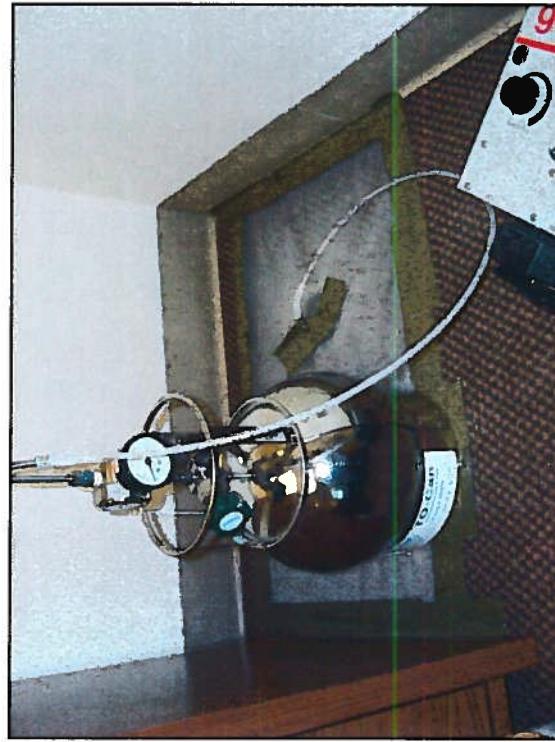
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** <u>Y/N</u>
First Floor Janitors Closet	Windex	1 bottle	U		0	
	Citrus degreaser	1 gal	U	(no chlorinated compounds)	0	
	Zepp carpet cleaner	1 gal	U	Petroleum distillates	0	
	Pine Sol	1 gal	U		0	
	Pledge	1 can	U		0	
	Lysol	1 can	U		0	
	Comet	1 can	U		0	
	CRC contact cleaner	1 can	U	1,1,1,2 tetrafluoroethane, decafluoropentane	0	Y
	Chlorox cleaner	1 bottle	U	Sodium Hypochlorite	0	
Office Closet	Goof Off Cleaner	1 can	U	Xylene, Toluene	0	
	Chlorox wipes	6 cans	UO		0	
	Liquid Plumber	1 bottle	U		0	
	Formula 409	1 bottle	U	2-butoxyethanol	0	Y
Office Desks	Drain out	2 cans	U		0	
	Simple Green	1 can	U			
	Deck Cleaner	1 bottle	U	Alcohols, Ethers, Ethylene	0	
	De-icer	1 can	U	Ethylene glycol, alcohols	0	
Ware- house	Carb & choke cleaner	1 can	U	Toluene, acetone, methanol	0	
	Hydraulic Fluid – spill onto floor from leaking forklift.	1		Petroleum	0	Y

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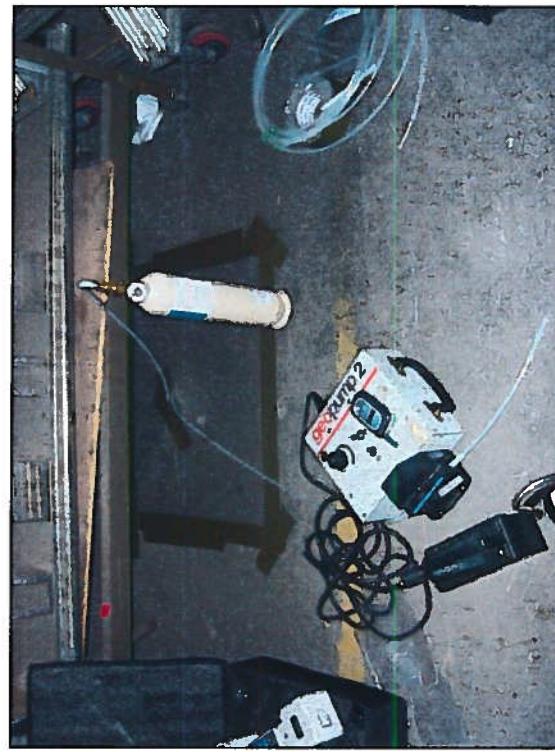
* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**.

** Photographs of the **front and back** of the product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

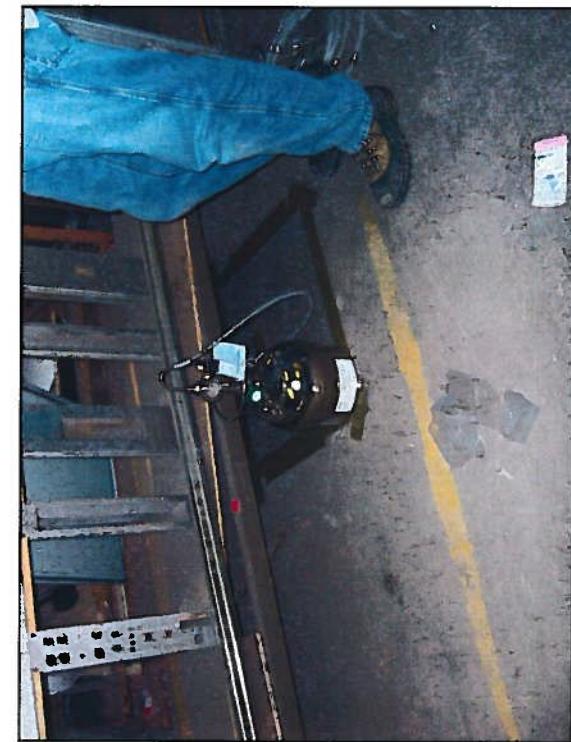
APPENDIX B
PHOTOGRAPHIC LOG



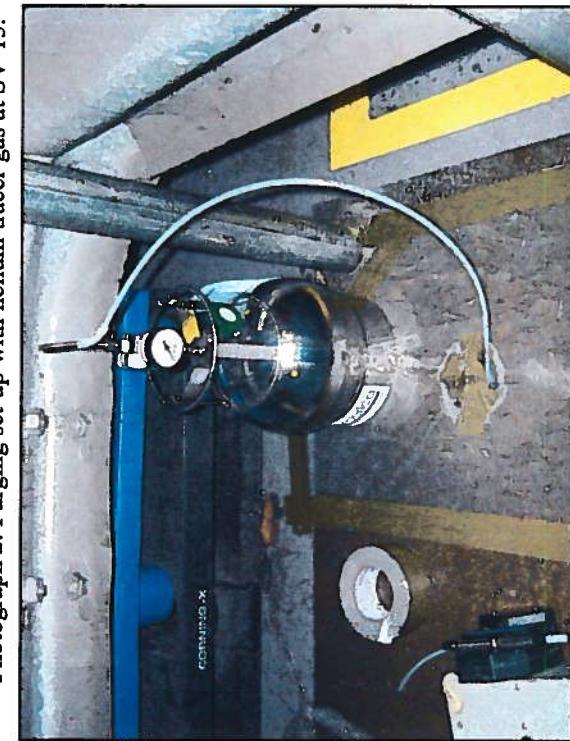
Photograph 1: Soil vapor sampling location SV-11.



Photograph 2: Purging set-up with helium tracer gas at SV-15.



Photograph 3: Soil vapor sampling location SV-13.



Photograph 4: Soil vapor sampling location SV-14.



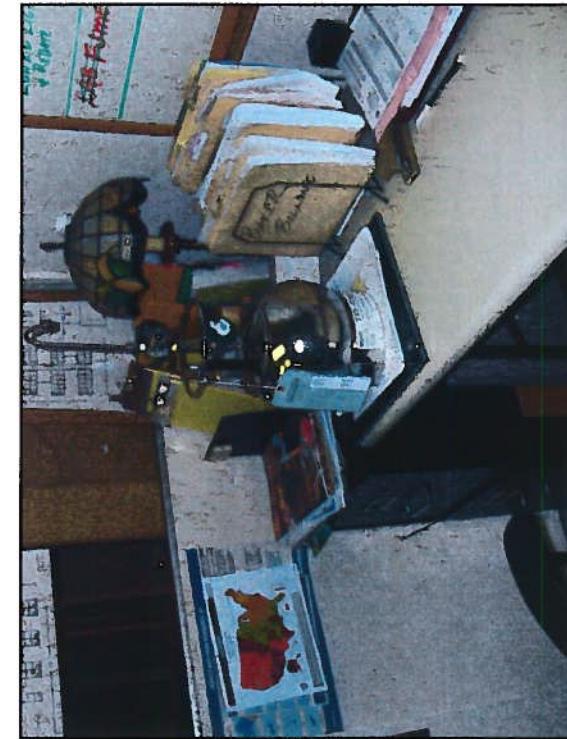
Photograph 5: Soil vapor sampling location SV-15.



Photograph 6: Ambient air sampling AA-1.



Photograph 7: Indoor air sample IA-13.



Photograph 8: Indoor Air sample IA-14.

APPENDIX C
SAMPLING LOGS



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-10

Summa #: 3552

Gage #: N/A

Flow Control # 3119

Laboratory Sample (Summa Canister)

Time Started: 09:44

Vacuum: 30 inHg

Time Stopped: 17:40

Vacuum: 6 inHg



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-11

Summa #: 3623

Gage #: N/A

Flow Control # 4394

Laboratory Sample (Summa Canister)

Time Started: 08:52

Vacuum: 29 inHg

Time Stopped: 16:40

Vacuum: 6 inHg



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-12

Summa #: 4827

Gage #: N/A

Flow Control # 3753

Laboratory Sample (Summa Canister)

Time Started: 09:30

Vacuum: 29 inHg

Time Stopped: 17:35

Vacuum: 22 inHg



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-13

Summa #: 3278

Gage #: N/A

Flow Control # 4511

Laboratory Sample (Summa Canister)

Time Started: 10:07

Vacuum: 29 inHg

Time Stopped: 17:55

Vacuum: 8 inHg



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-14

Summa #: 4138

Gage #: N/A

Flow Control # 4013

Laboratory Sample (Summa Canister)

Time Started: 10:30

Vacuum: 30 inHg

Time Stopped: 18:20

Vacuum: 6 inHg



Indoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: IA-15

Summa #: 2849

Gage #: N/A

Flow Control # 4757

Laboratory Sample (Summa Canister)

Time Started: 09:17

Vacuum: 30 inHg

Time Stopped: 16:45

Vacuum: 6 inHg



Outdoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: AA-1

Summa #: 2584

Gage #: N/A

Flow Control # 3075

Laboratory Sample (Summa Canister)

Time Started: 10:45

Vacuum: 30 inHg

Time Stopped: 18:30

Vacuum: 8 inHg



Outdoor Air Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: AA-2

Summa #: 4432

Gage #: N/A

Flow Control # 3117

Laboratory Sample (Summa Canister)

Time Started: 10:50

Vacuum: 30 inHg

Time Stopped: 16:35

Vacuum: 5 inHg



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-11

Summa #: 4366

Gage #: N/A

Flow Control #: 2768

Purging

Time Started: 08:46

Vol. Purged: 0.4/liters

Time Stopped: 08:48

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 08:51

Vacuum: 36 inHg

Time Stopped: 16:28

Vacuum: 4 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 1.0 ppm

Time Started: 08:48

He
Reading: 100 ppm

Time Stopped: 08:48



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-12

Summa #: 2734

Gage #: N/A

Flow Control # 4492

Purging

Time Started: 09:32

Vol. Purged: 0.4/liters

Time Stopped: 09:34

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 09:42

Vacuum: 30 inHg

Time Stopped: 17:35

Vacuum: 10 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 93.3 ppm

Time Started: 09:40

He
Reading: 0 ppm

Time Stopped: 09:40



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-13

Summa #: 3866

Gage #: N/A

Flow Control # 3179

Purging

Time Started: 10:05

Vol. Purged: 0.4/liters

Time Stopped: 10:08

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 10:10

Vacuum: 26 inHg

Time Stopped: 17:55

Vacuum: 7 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 2.6 ppm

Time Started: 10:09

He
Reading: 125 ppm

Time Stopped: 10:09



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-14

Summa #: 3660

Gage #: N/A

Flow Control # 3128

Purging

Time Started: 10:20

Vol. Purged: 0.4/liters

Time Stopped: 10:22

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 10:34

Vacuum: 29 inHg

Time Stopped: 18:20

Vacuum: 7 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 0.4 ppm

Time Started: 10:22

He
Reading: 0 ppm

Time Stopped: 10:23



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-15

Summa #: 3477

Gage #: N/A

Flow Control #: 3852

Purging

Time Started: 09:10

Vol. Purged: 0.4/liters

Time Stopped: 09:13

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 09:16

Vacuum: 30 inHg

Time Stopped: 16:55

Vacuum: 10 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 0.3 ppm

Time Started: 09:10

He
Reading: 0 ppm

Time Stopped: 09:12



Soil Gas Sampling Log

ICP Properties

Cortlandt, NY

Job #: 40256

Sample by: GB

Date: 3/17/2009

Sample ID #: SS-16

Summa #: 4371

Gage #: N/A

Flow Control #: 2829

Purging

Time Started: 09:32

Vol. Purged: 0.4/liters

Time Stopped: 09:34

Flow Rate: 0.2L/min

Laboratory Sample (Summa Canister)

Time Started: 09:42

Vacuum: 30 inHg

Time Stopped: 17:35

Vacuum: 7 inHg

Field Sample

PID
Calibration: 08:05

Pid
Reading: 93.3 ppm

Time Started: 09:40

He
Reading: 0 ppm

Time Stopped: 09:40

APPENDIX D
ANALYTICAL DATA REPORT

**TestAmerica
South Burlington, VT**

**Sample Data Summary
Package**

NY130870

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

April 16, 2009

Mr. Brian Zeiroff
AKRF, Inc.
34 S. Broadway
Suite 314
White Plains, NY 10601

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY130870

Dear Mr. Zeiroff:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 27th, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 03/27/09 ETR No: 130870			
790103	SG-14	03/25/09	AIR
790104	IA-14	03/25/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The volatile organics analysis of sample IA-14 was accomplished at a four-fold dilution based on a screen analysis, to provide for quantitation within the range of calibrated instrument response. This analysis yielded response for toluene marginally above calibration range, and acceptable responses for the other detected compounds.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



for

Don Dawicki
Project Manager

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-14

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 790104

Date Analyzed: 04/13/09

Date Received: 03/27/09

Target Compound	CAS Number	Results In ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL In ug/m3
Dichlorodifluoromethane	75-71-8	0.64		0.040	3.2		0.20
1,2-Dichlorotetrafluoroethane	76-14-2	0.040	U	0.040	0.28	U	0.28
Vinyl Chloride	75-01-4	0.080	U	0.080	0.20	U	0.20
1,3-Butadiene	106-99-0	0.082		0.080	0.18		0.18
Bromomethane	74-83-9	0.080	U	0.080	0.31	U	0.31
Chloroethane	75-00-3	0.080	U	0.080	0.21	U	0.21
Bromoethene	593-60-2	0.080	U	0.080	0.35	U	0.35
Trichlorofluoromethane	75-69-4	0.32		0.040	1.8		0.22
1,1-Dichloroethene	75-35-4	0.040	U	0.040	0.16	U	0.16
3-Chloropropene	107-05-1	0.080	U	0.080	0.25	U	0.25
Methylene Chloride	75-09-2	0.80	U	0.80	2.8	U	2.8
Methyl tert-Butyl Ether	1634-04-4	0.040	U	0.040	0.14	U	0.14
trans-1,2-Dichloroethene	156-60-5	0.040	U	0.040	0.16	U	0.16
n-Hexane	110-54-3	0.28		0.080	0.99		0.28
1,1-Dichloroethane	75-34-3	0.040	U	0.040	0.16	U	0.16
1,2-Dichloroethene (total)	540-59-0	0.040	U	0.040	0.16	U	0.16
cis-1,2-Dichloroethene	156-59-2	0.040	U	0.040	0.16	U	0.16
Chloroform	67-66-3	0.040	U	0.040	0.20	U	0.20
1,1,1-Trichloroethane	71-55-6	0.040	U	0.040	0.22	U	0.22
Cyclohexane	110-82-7	0.14		0.040	0.48		0.14
Carbon Tetrachloride	56-23-5	0.096		0.040	0.60		0.25
2,2,4-Trimethylpentane	540-84-1	0.054		0.040	0.25		0.19
Benzene	71-43-2	0.29		0.040	0.93		0.13
1,2-Dichloroethane	107-06-2	0.080	U	0.080	0.32	U	0.32
n-Heptane	142-82-5	0.13		0.040	0.53		0.16
Trichloroethene	79-01-6	0.040	U	0.040	0.21	U	0.21
1,2-Dichloropropane	78-87-5	0.080	U	0.080	0.37	U	0.37
Bromodichloromethane	75-27-4	0.040	U	0.040	0.27	U	0.27
cis-1,3-Dichloropropene	10061-01-5	0.040	U	0.040	0.18	U	0.18
Toluene	108-88-3	4.7	E	0.040	18	E	0.15
trans-1,3-Dichloropropene	10061-02-6	0.040	U	0.040	0.18	U	0.18
1,1,2-Trichloroethane	79-00-5	0.040	U	0.040	0.22	U	0.22
Tetrachloroethene	127-18-4	0.049		0.040	0.33		0.27

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IA-14

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 790104

Date Analyzed: 04/13/09

Date Received: 03/27/09

Target Compound	CAS Number	Results in ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL In ug/m3
Dibromochloromethane	124-48-1	0.040	U	0.040	0.34	U	0.34
1,2-Dibromoethane	106-93-4	0.040	U	0.040	0.31	U	0.31
Ethylbenzene	100-41-4	0.11		0.040	0.48		0.17
Xylene (m,p)	1330-20-7	0.34		0.080	1.5		0.35
Xylene (o)	95-47-6	0.11		0.040	0.48		0.17
Xylene (total)	1330-20-7	0.44		0.040	1.9		0.17
Bromoform	75-25-2	0.040	U	0.040	0.41	U	0.41
1,1,2,2-Tetrachloroethane	79-34-5	0.040	U	0.040	0.27	U	0.27
4-Ethyltoluene	622-96-8	0.086		0.040	0.42		0.20
1,3,5-Trimethylbenzene	108-67-8	0.080	U	0.080	0.39	U	0.39

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

EA041309LCS

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: EA041309

Date Analyzed: 04/13/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.20		0.010	0.99		0.049
1,2-Dichlorotetrafluoroethane	76-14-2	0.20		0.010	1.4		0.070
Vinyl Chloride	75-01-4	0.20		0.020	0.51		0.051
1,3-Butadiene	106-99-0	0.20		0.020	0.44		0.044
Bromomethane	74-83-9	0.19		0.020	0.74		0.078
Chloroethane	75-00-3	0.20		0.020	0.53		0.053
Bromoethene	593-60-2	0.20		0.020	0.87		0.087
Trichlorofluoromethane	75-69-4	0.20		0.010	1.1		0.056
1,1-Dichloroethane	75-35-4	0.19		0.010	0.75		0.040
3-Chloropropene	107-05-1	0.19		0.020	0.59		0.063
Methylene Chloride	75-09-2	0.23		0.20	0.80		0.69
Methyl tert-Butyl Ether	1634-04-4	0.20		0.010	0.72		0.036
trans-1,2-Dichloroethene	156-60-5	0.19		0.010	0.75		0.040
n-Hexane	110-54-3	0.21		0.020	0.74		0.070
1,1-Dichloroethane	75-34-3	0.19		0.010	0.77		0.040
1,2-Dichloroethene (total)	540-59-0	0.37		0.010	1.5		0.040
cis-1,2-Dichloroethene	156-59-2	0.18		0.010	0.71		0.040
Chloroform	67-66-3	0.19		0.010	0.93		0.049
1,1,1-Trichloroethane	71-55-6	0.19		0.010	1.0		0.055
Cyclohexane	110-82-7	0.18		0.010	0.62		0.034
Carbon Tetrachloride	56-23-5	0.19		0.010	1.2		0.063
2,2,4-Trimethylpentane	540-84-1	0.19		0.010	0.89		0.047
Benzene	71-43-2	0.17		0.010	0.54		0.032
1,2-Dichloroethane	107-06-2	0.19		0.020	0.77		0.081
n-Heptane	142-82-5	0.18		0.010	0.74		0.041
Trichloroethene	79-01-6	0.17		0.010	0.91		0.054
1,2-Dichloropropane	78-87-5	0.18		0.020	0.83		0.092
Bromodichloromethane	75-27-4	0.19		0.010	1.3		0.067
cis-1,3-Dichloropropene	10061-01-5	0.18		0.010	0.82		0.045
Toluene	108-88-3	0.18		0.010	0.68		0.038
trans-1,3-Dichloropropene	10061-02-6	0.17		0.010	0.77		0.045
1,1,2-Trichloroethane	79-00-5	0.17		0.010	0.93		0.055
Tetrachloroethene	127-18-4	0.18		0.010	1.2		0.068

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

EA041309LCS

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: EA041309

Date Analyzed: 04/13/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dibromochloromethane	124-48-1	0.18		0.010	1.5		0.085
1,2-Dibromoethane	106-93-4	0.17		0.010	1.3		0.077
Ethylbenzene	100-41-4	0.18		0.010	0.78		0.043
Xylene (m,p)	1330-20-7	0.38		0.020	1.7		0.087
Xylene (o)	95-47-6	0.18		0.010	0.78		0.043
Xylene (total)	1330-20-7	0.54		0.010	2.3		0.043
Bromoform	75-25-2	0.17		0.010	1.8		0.10
1,1,2,2-Tetrachloroethane	79-34-5	0.17		0.010	1.2		0.069
4-Ethyltoluene	622-96-8	0.19		0.010	0.93		0.049
1,3,5-Trimethylbenzene	108-67-8	0.17		0.020	0.84		0.098

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK041309EA

Lab Name: TAL Burlington

SDG Number: NY130870

Lab Sample No.: MBLK0413

Dilution Factor: 1.00

Date Analyzed: 04/13/09

Sample Matrix: AIR

Date Received: / /

Target Compound	CAS Number	Results In ppbv	Q	RL in ppbv	Results In ug/m3	Q	RL In ug/m3
Dichlorodifluoromethane	75-71-8	0.010	U	0.010	0.049	U	0.049
1,2-Dichlortetrafluoroethane	76-14-2	0.010	U	0.010	0.070	U	0.070
Vinyl Chloride	75-01-4	0.020	U	0.020	0.051	U	0.051
1,3-Butadiene	106-99-0	0.020	U	0.020	0.044	U	0.044
Bromomethane	74-83-9	0.020	U	0.020	0.078	U	0.078
Chloroethane	75-00-3	0.020	U	0.020	0.053	U	0.053
Bromoethene	593-60-2	0.020	U	0.020	0.087	U	0.087
Trichlorofluoromethane	75-69-4	0.010	U	0.010	0.056	U	0.056
1,1-Dichloroethene	75-35-4	0.010	U	0.010	0.040	U	0.040
3-Chloropropene	107-05-1	0.020	U	0.020	0.063	U	0.063
Methylene Chloride	75-09-2	0.20	U	0.20	0.69	U	0.69
Methyl tert-Butyl Ether	1634-04-4	0.010	U	0.010	0.036	U	0.036
trans-1,2-Dichloroethene	156-60-5	0.010	U	0.010	0.040	U	0.040
n-Hexane	110-54-3	0.020	U	0.020	0.070	U	0.070
1,1-Dichloroethane	75-34-3	0.010	U	0.010	0.040	U	0.040
1,2-Dichloroethene (total)	540-59-0	0.010	U	0.010	0.040	U	0.040
cis-1,2-Dichloroethene	156-59-2	0.010	U	0.010	0.040	U	0.040
Chloroform	67-66-3	0.010	U	0.010	0.049	U	0.049
1,1,1-Trichloroethane	71-55-6	0.010	U	0.010	0.055	U	0.055
Cyclohexane	110-82-7	0.010	U	0.010	0.034	U	0.034
Carbon Tetrachloride	56-23-5	0.010	U	0.010	0.063	U	0.063
2,2,4-Trimethylpentane	540-84-1	0.010	U	0.010	0.047	U	0.047
Benzene	71-43-2	0.010	U	0.010	0.032	U	0.032
1,2-Dichloroethane	107-06-2	0.020	U	0.020	0.081	U	0.081
n-Heptane	142-82-5	0.010	U	0.010	0.041	U	0.041
Trichloroethene	79-01-6	0.010	U	0.010	0.054	U	0.054
1,2-Dichloropropane	78-87-5	0.020	U	0.020	0.092	U	0.092
Bromodichloromethane	75-27-4	0.010	U	0.010	0.067	U	0.067
cis-1,3-Dichloropropene	10061-01-5	0.010	U	0.010	0.045	U	0.045
Toluene	108-88-3	0.010	U	0.010	0.038	U	0.038
trans-1,3-Dichloropropene	10061-02-6	0.010	U	0.010	0.045	U	0.045
1,1,2-Trichloroethane	79-00-5	0.010	U	0.010	0.055	U	0.055
Tetrachloroethene	127-18-4	0.010	U	0.010	0.068	U	0.068

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK041309EA

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: MBLK0413

Date Analyzed: 04/13/09

Date Received: / /

Target Compound	CAS Number	Results In ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dibromochloromethane	124-48-1	0.010	U	0.010	0.085	U	0.085
1,2-Dibromoethane	106-93-4	0.010	U	0.010	0.077	U	0.077
Ethylbenzene	100-41-4	0.010	U	0.010	0.043	U	0.043
Xylene (m,p)	1330-20-7	0.020	U	0.020	0.087	U	0.087
Xylene (o)	95-47-6	0.010	U	0.010	0.043	U	0.043
Xylene (total)	1330-20-7	0.010	U	0.010	0.043	U	0.043
Bromoform	75-25-2	0.010	U	0.010	0.10	U	0.10
1,1,2,2-Tetrachloroethane	79-34-5	0.010	U	0.010	0.069	U	0.069
4-Ethyltoluene	622-96-8	0.010	U	0.010	0.049	U	0.049
1,3,5-Trimethylbenzene	108-67-8	0.020	U	0.020	0.098	U	0.098

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SG-14

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 790103

Date Analyzed: 03/27/09

Date Received: 03/27/09

Target Compound	CAS Number	Results In ppbv	Q	RL In ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.61		0.50	3.0		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	U	0.20	1.4	U	1.4
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Bromomethane	74-83-9	0.20	U	0.20	0.78	U	0.78
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Bromoethene	593-60-2	0.20	U	0.20	0.87	U	0.87
Trichlorofluoromethane	75-69-4	0.28		0.20	1.6		1.1
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
Methyl tert-Butyl Ether	1634-04-4	0.50	U	0.50	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
n-Hexane	110-54-3	0.50	U	0.50	1.8	U	1.8
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
Chloroform	67-66-3	0.20	U	0.20	0.98	U	0.98
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Cyclohexane	110-82-7	0.20	U	0.20	0.69	U	0.69
Carbon Tetrachloride	56-23-5	0.20	U	0.20	1.3	U	1.3
2,2,4-Trimethylpentane	540-84-1	0.20	U	0.20	0.93	U	0.93
Benzene	71-43-2	0.33		0.20	1.1		0.64
1,2-Dichloroethene (total)	540-59-0	0.20	U	0.20	0.79	U	0.79
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
n-Heptane	142-82-5	0.20	U	0.20	0.82	U	0.82
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
1,2-Dichloropropane	78-87-5	0.20	U	0.20	0.92	U	0.92
Bromodichloromethane	75-27-4	0.20	U	0.20	1.3	U	1.3
cis-1,3-Dichloropropene	10061-01-5	0.20	U	0.20	0.91	U	0.91
Toluene	108-88-3	2.5		0.20	9.4		0.75
trans-1,3-Dichloropropene	10061-02-6	0.20	U	0.20	0.91	U	0.91
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

SG-14

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: 790103

Date Analyzed: 03/27/09

Date Received: 03/27/09

Target Compound	CAS Number	Results In ppbv	Q	RL in ppbv	Results In ug/m3	Q	RL In ug/m3
Dibromochloromethane	124-48-1	0.20	U	0.20	1.7	U	1.7
1,2-Dibromoethane	106-93-4	0.20	U	0.20	1.5	U	1.5
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.65		0.50	2.8		2.2
Xylene (o)	95-47-6	0.31		0.20	1.3		0.87
Bromoform	75-25-2	0.20	U	0.20	2.1	U	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4
Xylene (total)	1330-20-7	0.98		0.20	4.3		0.87
4-Ethyltoluene	622-96-8	0.20	U	0.20	0.98	U	0.98
1,3,5-Trimethylbenzene	108-67-8	0.28		0.20	1.4		0.98

TO-14/15
Result Summary

CLIENT SAMPLE NO.

GA032709LCS

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: GA032709

Date Analyzed: 03/27/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL In ug/m3
Dichlorodifluoromethane	75-71-8	10		0.50	49		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	10		0.20	70		1.4
Vinyl Chloride	75-01-4	9.0		0.20	23		0.51
1,3-Butadiene	106-99-0	9.0		0.50	20		1.1
Bromomethane	74-83-9	9.9		0.20	38		0.78
Chloroethane	75-00-3	9.0		0.50	24		1.3
Bromoethene	593-60-2	11		0.20	48		0.87
Trichlorofluoromethane	75-69-4	11		0.20	62		1.1
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
3-Chloropropene	107-05-1	8.7		0.50	27		1.6
Methylene Chloride	75-09-2	8.9		0.50	31		1.7
Methyl tert-Butyl Ether	1634-04-4	9.1		0.50	33		1.8
trans-1,2-Dichloroethene	156-60-5	9.6		0.20	38		0.79
n-Hexane	110-54-3	9.2		0.50	32		1.8
1,1-Dichloroethane	75-34-3	9.4		0.20	38		0.81
cis-1,2-Dichloroethene	156-59-2	10		0.20	40		0.79
Chloroform	67-66-3	9.9		0.20	48		0.98
1,1,1-Trichloroethane	71-55-6	12		0.20	65		1.1
Cyclohexane	110-82-7	12		0.20	41		0.69
Carbon Tetrachloride	56-23-5	12		0.20	75		1.3
2,2,4-Trimethylpentane	540-84-1	11		0.20	51		0.93
Benzene	71-43-2	11		0.20	35		0.64
1,2-Dichloroethene (total)	540-59-0	20		0.20	79		0.79
1,2-Dichloroethane	107-06-2	11		0.20	45		0.81
n-Heptane	142-82-5	9.8		0.20	40		0.82
Trichloroethene	79-01-6	12		0.20	64		1.1
1,2-Dichloropropane	78-87-5	10		0.20	46		0.92
Bromodichloromethane	75-27-4	12		0.20	80		1.3
cis-1,3-Dichloropropene	10061-01-5	11		0.20	50		0.91
Toluene	108-88-3	10		0.20	38		0.75
trans-1,3-Dichloropropene	10061-02-6	11		0.20	50		0.91
1,1,2-Trichloroethane	79-00-5	9.9		0.20	54		1.1
Tetrachloroethene	127-18-4	12		0.20	81		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

GA032709LCS

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: GA032709

Date Analyzed: 03/27/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dibromochloromethane	124-48-1	12		0.20	100		1.7
1,2-Dibromoethane	106-93-4	11		0.20	85		1.5
Ethylbenzene	100-41-4	10		0.20	43		0.87
Xylene (m,p)	1330-20-7	21		0.50	91		2.2
Xylene (o)	95-47-6	11		0.20	48		0.87
Bromoform	75-25-2	13		0.20	130		2.1
1,1,2,2-Tetrachloroethane	79-34-5	9.9		0.20	68		1.4
Xylene (total)	1330-20-7	32		0.20	140		0.87
4-Ethyltoluene	622-96-8	11		0.20	54		0.98
1,3,5-Trimethylbenzene	108-67-8	11		0.20	54		0.98

TO-14/15
Result Summary

CLIENT SAMPLE NO.

GA032709LCSD

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: GA032709

Date Analyzed: 03/27/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results In ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	10		0.50	49		2.5
1,2-Dichlorotetrafluoroethane	76-14-2	9.8		0.20	69		1.4
Vinyl Chloride	75-01-4	8.7		0.20	22		0.51
1,3-Butadiene	106-99-0	8.9		0.50	20		1.1
Bromomethane	74-83-9	9.7		0.20	38		0.78
Chloroethane	75-00-3	8.8		0.50	23		1.3
Bromoethene	593-60-2	11		0.20	48		0.87
Trichlorofluoromethane	75-69-4	10		0.20	56		1.1
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
3-Chloropropene	107-05-1	8.4		0.50	26		1.6
Methylene Chloride	75-09-2	8.8		0.50	31		1.7
Methyl tert-Butyl Ether	1634-04-4	9.2		0.50	33		1.8
trans-1,2-Dichloroethene	156-60-5	9.3		0.20	37		0.79
n-Hexane	110-54-3	9.0		0.50	32		1.8
1,1-Dichloroethane	75-34-3	9.1		0.20	37		0.81
cis-1,2-Dichloroethene	156-59-2	10		0.20	40		0.79
Chloroform	67-66-3	9.7		0.20	47		0.98
1,1,1-Trichloroethane	71-55-6	10		0.20	55		1.1
Cyclohexane	110-82-7	10		0.20	34		0.69
Carbon Tetrachloride	56-23-5	11		0.20	69		1.3
2,2,4-Trimethylpentane	540-84-1	9.2		0.20	43		0.93
Benzene	71-43-2	9.3		0.20	30		0.64
1,2-Dichloroethene (total)	540-59-0	20		0.20	79		0.79
1,2-Dichloroethane	107-06-2	9.5		0.20	38		0.81
n-Heptane	142-82-5	8.6		0.20	35		0.82
Trichloroethene	79-01-6	10		0.20	54		1.1
1,2-Dichloropropane	78-87-5	9.0		0.20	42		0.92
Bromodichloromethane	75-27-4	10		0.20	67		1.3
cis-1,3-Dichloropropene	10061-01-5	9.5		0.20	43		0.91
Toluene	108-88-3	9.7		0.20	37		0.75
trans-1,3-Dichloropropene	10061-02-6	9.5		0.20	43		0.91
1,1,2-Trichloroethane	79-00-5	9.3		0.20	51		1.1
Tetrachloroethene	127-18-4	11		0.20	75		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

GA032709LCSD

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: GA032709

Date Analyzed: 03/27/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dibromochloromethane	124-48-1	11		0.20	94		1.7
1,2-Dibromoethane	106-93-4	10		0.20	77		1.5
Ethylbenzene	100-41-4	9.9		0.20	43		0.87
Xylene (m,p)	1330-20-7	20		0.50	87		2.2
Xylene (o)	95-47-6	10		0.20	43		0.87
Bromoform	75-25-2	12		0.20	120		2.1
1,1,2,2-Tetrachloroethane	79-34-5	9.4		0.20	65		1.4
Xylene (total)	1330-20-7	31		0.20	130		0.87
4-Ethyltoluene	622-96-8	11		0.20	54		0.98
1,3,5-Trimethylbenzene	108-67-8	10		0.20	49		0.98

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK032709GA

Lab Name: TAL Burlington

SDG Number: NY130870

Lab Sample No.: MBLK0327

Dilution Factor: 1.00

Date Analyzed: 03/27/09

Sample Matrix: AIR

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.50	U	0.50	2.5	U	2.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	U	0.20	1.4	U	1.4
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,3-Butadiene	106-99-0	0.50	U	0.50	1.1	U	1.1
Bromomethane	74-83-9	0.20	U	0.20	0.78	U	0.78
Chloroethane	75-00-3	0.50	U	0.50	1.3	U	1.3
Bromoethene	593-60-2	0.20	U	0.20	0.87	U	0.87
Trichlorofluoromethane	75-69-4	0.20	U	0.20	1.1	U	1.1
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
3-Chloropropene	107-05-1	0.50	U	0.50	1.6	U	1.6
Methylene Chloride	75-09-2	0.50	U	0.50	1.7	U	1.7
Methyl tert-Butyl Ether	1634-04-4	0.50	U	0.50	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
n-Hexane	110-54-3	0.50	U	0.50	1.8	U	1.8
1,1-Dichloroethane	75-34-3	0.20	U	0.20	0.81	U	0.81
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
Chloroform	67-66-3	0.20	U	0.20	0.98	U	0.98
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	1.1	U	1.1
Cyclohexane	110-82-7	0.20	U	0.20	0.69	U	0.69
Carbon Tetrachloride	56-23-5	0.20	U	0.20	1.3	U	1.3
2,2,4-Trimethylpentane	540-84-1	0.20	U	0.20	0.93	U	0.93
Benzene	71-43-2	0.20	U	0.20	0.64	U	0.64
1,2-Dichloroethene (total)	540-59-0	0.20	U	0.20	0.79	U	0.79
1,2-Dichloroethane	107-06-2	0.20	U	0.20	0.81	U	0.81
n-Heptane	142-82-5	0.20	U	0.20	0.82	U	0.82
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
1,2-Dichloropropane	78-87-5	0.20	U	0.20	0.92	U	0.92
Bromodichloromethane	75-27-4	0.20	U	0.20	1.3	U	1.3
cis-1,3-Dichloropropene	10061-01-5	0.20	U	0.20	0.91	U	0.91
Toluene	108-88-3	0.20	U	0.20	0.75	U	0.75
trans-1,3-Dichloropropene	10061-02-6	0.20	U	0.20	0.91	U	0.91
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK032709GA

Lab Name: TAL Burlington

SDG Number: NY130870

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: MBLK0327

Date Analyzed: 03/27/09

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL In ppbv	Results in ug/m3	Q	RL in ug/m3
Dibromochloromethane	124-48-1	0.20	U	0.20	1.7	U	1.7
1,2-Dibromoethane	106-93-4	0.20	U	0.20	1.5	U	1.5
Ethylbenzene	100-41-4	0.20	U	0.20	0.87	U	0.87
Xylene (m,p)	1330-20-7	0.50	U	0.50	2.2	U	2.2
Xylene (o)	95-47-6	0.20	U	0.20	0.87	U	0.87
Bromoform	75-25-2	0.20	U	0.20	2.1	U	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	1.4	U	1.4
Xylene (total)	1330-20-7	0.20	U	0.20	0.87	U	0.87
4-Ethyltoluene	622-96-8	0.20	U	0.20	0.98	U	0.98
1,3,5-Trimethylbenzene	108-67-8	0.20	U	0.20	0.98	U	0.98

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: Brian Zieroff	Samples Collected By: GJS	1 of 1 COCs																			
Company: AEP	Phone: 914-474-2352	Phone: 914-474-2352																					
Address: 34 South Burlington Suite	Email: BZieroff@AET.com																						
City/State/Zip: White Plains NY	Site Contact: G. B. Zieroff																						
Phone: 914-922-2382	STL Contact:																						
FAX: 914-449-7353																							
Project Name: New City Plaza	Analysis Turnaround Time																						
Site: New City Plaza	Standard (Specify)																						
PO # 40212-0001	Rush (Specify)																						
Sample Identification	Sample Dates	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID																
SG-14	3/25/01	0907	1700	-30	-11	3376	2541																
TA-14	3/25/01	0910	1610	-30	-4	3774	2647																
<table border="1"> <thead> <tr> <th colspan="4">Temperature (Fahrenheit)</th> </tr> <tr> <th>Interior</th> <th>Ambient</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Start 55</td> <td>55</td> <td>35</td> <td></td> </tr> <tr> <td>Stop 55</td> <td>55</td> <td>45</td> <td>Pressure (inches of Hg)</td> </tr> </tbody> </table>								Temperature (Fahrenheit)				Interior	Ambient			Start 55	55	35		Stop 55	55	45	Pressure (inches of Hg)
Temperature (Fahrenheit)																							
Interior	Ambient																						
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Pressure (inches of Hg)																							
Interior	Ambient																						
Start																							
Stop																							
Special Instructions/QC Requirements & Comments: 0.25 w/m ³ for TCE indoor air samples																							
Samples Shipped by: <i>[Signature]</i>		Date/Time: <i>3/24/01 08:00</i>	Category B deliverables		Samples Received by: <i>[Signature]</i>																		
Samples Relinquished by: <i>[Signature]</i>		Date/Time: <i>3/25/01 08:00</i>			Received by: <i>[Signature]</i>																		
Relinquished by: <i>[Signature]</i>		Date/Time: <i>3/26/01 12:00</i>			Received by: <i>[Signature]</i>																		
<i>Received by: M. Blawie 3/26/01 12:00 Relinquished by: M. Blawie 3/26/01 12:00</i>																							
<i>Chain Rule - 03/27/01 log 20</i>																							



Sample Data Summary – TO-15 Low Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

AKRF2 SAMPLE NO.

IA-14

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: 790104

Sample wt/vol: 125.0 (g/mL) ML Lab File ID: 790104

Level: (low/med) LOW Date Received: 03/27/09

% Moisture: not dec. Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	0.64	
76-14-2-----	1,2-Dichlorotetrafluoroethane	0.040	U
75-01-4-----	Vinyl Chloride	0.080	U
106-99-0-----	1,3-Butadiene	0.082	
74-83-9-----	Bromomethane	0.080	U
75-00-3-----	Chloroethane	0.080	U
593-60-2-----	Bromoethene	0.080	U
75-69-4-----	Trichlorodifluoromethane	0.32	
75-35-4-----	1,1-Dichloroethene	0.040	U
107-05-1-----	3-Chloropropene	0.080	U
75-09-2-----	Methylene Chloride	0.80	U
1634-04-4-----	Methyl tert-Butyl Ether	0.040	U
156-60-5-----	trans-1,2-Dichloroethene	0.040	U
110-54-3-----	n-Hexane	0.28	
75-34-3-----	1,1-Dichloroethane	0.040	U
540-59-0-----	1,2-Dichloroethene (total)	0.040	U
156-59-2-----	cis-1,2-Dichloroethene	0.040	U
67-66-3-----	Chloroform	0.040	U
71-55-6-----	1,1,1-Trichloroethane	0.040	U
110-82-7-----	Cyclohexane	0.14	
56-23-5-----	Carbon Tetrachloride	0.096	
540-84-1-----	2,2,4-Trimethylpentane	0.054	
71-43-2-----	Benzene	0.29	
107-06-2-----	1,2-Dichloroethane	0.080	U
142-82-5-----	n-Heptane	0.13	
79-01-6-----	Trichloroethene	0.040	U
78-87-5-----	1,2-Dichloropropane	0.080	U
75-27-4-----	Bromodichloromethane	0.040	U
10061-01-5-----	cis-1,3-Dichloropropene	0.040	U
108-88-3-----	Toluene	4.7	E
10061-02-6-----	trans-1,3-Dichloropropene	0.040	U
79-00-5-----	1,1,2-Trichloroethane	0.040	U
127-18-4-----	Tetrachloroethene	0.049	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

AKRF2 SAMPLE NO.

IA-14

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: 790104

Sample wt/vol: 125.0 (g/mL) ML Lab File ID: 790104

Level: (low/med) LOW Date Received: 03/27/09

% Moisture: not dec. Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
---------	----------	--	---

124-48-1-----	Dibromochloromethane	0.040	U
106-93-4-----	1,2-Dibromoethane	0.040	U
100-41-4-----	Ethylbenzene	0.11	
1330-20-7-----	Xylene (m,p)	0.34	
95-47-6-----	Xylene (o)	0.11	
1330-20-7-----	Xylene (total)	0.44	
75-25-2-----	Bromoform	0.040	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.040	U
622-96-8-----	4-Ethyltoluene	0.086	
108-67-8-----	1,3,5-Trimethylbenzene	0.080	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK041309EA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: MBLK041309EA

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: EDSB01H

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8-----	Dichlorodifluoromethane	0.010	U
76-14-2-----	1,2-Dichlorotetrafluoroethane	0.010	U
75-01-4-----	Vinyl Chloride	0.020	U
106-99-0-----	1,3-Butadiene	0.020	U
74-83-9-----	Bromomethane	0.020	U
75-00-3-----	Chloroethane	0.020	U
593-60-2-----	Bromoethene	0.020	U
75-69-4-----	Trichlorofluoromethane	0.010	U
75-35-4-----	1,1-Dichloroethene	0.010	U
107-05-1-----	3-Chloropropene	0.020	U
75-09-2-----	Methylene Chloride	0.20	U
1634-04-4-----	Methyl tert-Butyl Ether	0.010	U
156-60-5-----	trans-1,2-Dichloroethene	0.010	U
110-54-3-----	n-Hexane	0.020	U
75-34-3-----	1,1-Dichloroethane	0.010	U
540-59-0-----	1,2-Dichloroethene (total)	0.010	U
156-59-2-----	cis-1,2-Dichloroethene	0.010	U
67-66-3-----	Chloroform	0.010	U
71-55-6-----	1,1,1-Trichloroethane	0.010	U
110-82-7-----	Cyclohexane	0.010	U
56-23-5-----	Carbon Tetrachloride	0.010	U
540-84-1-----	2,2,4-Trimethylpentane	0.010	U
71-43-2-----	Benzene	0.010	U
107-06-2-----	1,2-Dichloroethane	0.020	U
142-82-5-----	n-Heptane	0.010	U
79-01-6-----	Trichloroethene	0.010	U
78-87-5-----	1,2-Dichloropropane	0.020	U
75-27-4-----	Bromodichloromethane	0.010	U
10061-01-5-----	cis-1,3-Dichloropropene	0.010	U
108-88-3-----	Toluene	0.010	U
10061-02-6-----	trans-1,3-Dichloropropene	0.010	U
79-00-5-----	1,1,2-Trichloroethane	0.010	U
127-18-4-----	Tetrachloroethene	0.010	U

FORM I VOA

BCLP04097

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK041309EA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: MBLK041309EA

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: EDSB01H

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
124-48-1-----	Dibromochloromethane _____	0.010	U
106-93-4-----	1,2-Dibromoethane _____	0.010	U
100-41-4-----	Ethylbenzene _____	0.010	U
1330-20-7-----	Xylene (m,p) _____	0.020	U
95-47-6-----	Xylene (o) _____	0.010	U
1330-20-7-----	Xylene (total) _____	0.010	U
75-25-2-----	Bromoform _____	0.010	U
79-34-5-----	1,1,2,2-Tetrachloroethane _____	0.010	U
622-96-8-----	4-Ethyltoluene _____	0.010	U
108-67-8-----	1,3,5-Trimethylbenzene _____	0.020	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EA041309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: EA041309LCS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: EDS20HQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	0.20	
76-14-2-----	1,2-Dichlorotetrafluoroethane	0.20	
75-01-4-----	Vinyl Chloride	0.20	
106-99-0-----	1,3-Butadiene	0.20	
74-83-9-----	Bromomethane	0.19	
75-00-3-----	Chloroethane	0.20	
593-60-2-----	Bromoethene	0.20	
75-69-4-----	Trichlorofluoromethane	0.20	
75-35-4-----	1,1-Dichloroethene	0.19	
107-05-1-----	3-Chloropropene	0.19	
75-09-2-----	Methylene Chloride	0.23	
1634-04-4-----	Methyl tert-Butyl Ether	0.20	
156-60-5-----	trans-1,2-Dichloroethene	0.19	
110-54-3-----	n-Hexane	0.21	
75-34-3-----	1,1-Dichloroethane	0.19	
540-59-0-----	1,2-Dichloroethene (total)	0.37	
156-59-2-----	cis-1,2-Dichloroethene	0.18	
67-66-3-----	Chloroform	0.19	
71-55-6-----	1,1,1-Trichloroethane	0.19	
110-82-7-----	Cyclohexane	0.18	
56-23-5-----	Carbon Tetrachloride	0.19	
540-84-1-----	2,2,4-Trimethylpentane	0.19	
71-43-2-----	Benzene	0.17	
107-06-2-----	1,2-Dichloroethane	0.19	
142-82-5-----	n-Heptane	0.18	
79-01-6-----	Trichloroethene	0.17	
78-87-5-----	1,2-Dichloropropane	0.18	
75-27-4-----	Bromodichloromethane	0.19	
10061-01-5-----	cis-1,3-Dichloropropene	0.18	
108-88-3-----	Toluene	0.18	
10061-02-6-----	trans-1,3-Dichloropropene	0.17	
79-00-5-----	1,1,2-Trichloroethane	0.17	
127-18-4-----	Tetrachloroethene	0.18	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EA041309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: EA041309LCS

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: EDS20HQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	
		Q	
124-48-1-----	Dibromochloromethane	0.18	_____
106-93-4-----	1,2-Dibromoethane	0.17	_____
100-41-4-----	Ethylbenzene	0.18	_____
1330-20-7-----	Xylene (m,p)	0.38	_____
95-47-6-----	Xylene (o)	0.18	_____
1330-20-7-----	Xylene (total)	0.54	_____
75-25-2-----	Bromoform	0.17	_____
79-34-5-----	1,1,2,2-Tetrachloroethane	0.17	_____
622-96-8-----	4-Ethyltoluene	0.19	_____
108-67-8-----	1,3,5-Trimethylbenzene	0.17	_____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: EA041309LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	0.20		0.20	100	70-130
1,2-Dichlorotetrafluoro	0.20		0.20	100	70-130
Vinyl Chloride	0.20		0.20	100	70-130
1,3-Butadiene	0.20		0.20	100	70-130
Bromomethane	0.20		0.19	95	70-130
Chloroethane	0.20		0.20	100	70-130
Bromoethene	0.20		0.20	100	70-130
Trichlorofluoromethane	0.20		0.20	100	70-130
1,1-Dichloroethene	0.20		0.19	95	70-130
3-Chloropropene	0.20		0.19	95	70-130
Methylene Chloride	0.20		0.23	115	70-130
Methyl tert-Butyl Ether	0.20		0.20	100	70-130
trans-1,2-Dichloroethen	0.20		0.19	95	70-130
n-Hexane	0.20		0.21	105	70-130
1,1-Dichloroethane	0.20		0.19	95	70-130
1,2-Dichloroethene (tot	0.40		0.37	92	70-130
cis-1,2-Dichloroethene	0.20		0.18	90	70-130
Chloroform	0.20		0.19	95	70-130
1,1,1-Trichloroethane	0.20		0.19	95	70-130
Cyclohexane	0.20		0.18	90	70-130
Carbon Tetrachloride	0.20		0.19	95	70-130
2,2,4-Trimethylpentane	0.20		0.19	95	70-130
Benzene	0.20		0.17	85	70-130
1,2-Dichloroethane	0.20		0.19	95	70-130
n-Heptane	0.20		0.18	90	70-130
Trichloroethene	0.20		0.17	85	70-130
1,2-Dichloropropane	0.20		0.18	90	70-130
Bromodichloromethane	0.20		0.19	95	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: EA041309LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
cis-1,3-Dichloropropene	0.20		0.18	90	70-130
Toluene	0.20		0.18	90	70-130
trans-1,3-Dichloropropene	0.20		0.17	85	70-130
1,1,2-Trichloroethane	0.20		0.17	85	70-130
Tetrachloroethene	0.20		0.18	90	70-130
Dibromochloromethane	0.20		0.18	90	70-130
1,2-Dibromoethane	0.20		0.17	85	70-130
Ethylbenzene	0.20		0.18	90	70-130
Xylene (m,p)	0.40		0.38	95	70-130
Xylene (o)	0.20		0.18	90	70-130
Bromoform	0.20		0.17	85	70-130
1,1,2,2-Tetrachloroethane	0.20		0.17	85	70-130
4-Ethyltoluene	0.20		0.19	95	70-130
1,3,5-Trimethylbenzene	0.20		0.17	85	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 42 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

MBLK041309EA

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: EDSB01H Lab Sample ID: MBLK041309EA

Date Analyzed: 04/13/09 Time Analyzed: 1148

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: E

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 EA041309LCS	EA041309LCS	EDS20HQ	1052
02 IA-14	790104	790104	2305
03			
04			
05			
06			
07			
08			
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: EDS01PV BFB Injection Date: 04/03/09

Instrument ID: E BFB Injection Time: 1350

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.5
75	30.0 - 66.0% of mass 95	62.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	88.8
175	4.0 - 9.0% of mass 174	6.4 (7.2)1
176	93.0 - 101.0% of mass 174	86.8 (97.8)1
177	5.0 - 9.0% of mass 176	5.8 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 ASTD0010	ASTD0010	EDS10V	04/03/09	1634
02 ASTD0020	ASTD0020	EDS20V	04/03/09	1730
03 ASTD0050	ASTD0050	EDS50V	04/03/09	1826
04 ASTD0100	ASTD0100	EDS100V	04/03/09	1922
05 ASTD0200	ASTD0200	EDS200V	04/03/09	2018
06 ASTD0500	ASTD0500	EDS500V	04/03/09	2114
07 ASTD0750	ASTD0750	EDS750V	04/03/09	2210
08 ASTD1000	ASTD1000	EDS1000V	04/03/09	2305
09 ASTD1500	ASTD1500	EDS1500V	04/04/09	0002
10 ASTD2000	ASTD2000	EDS2000V	04/04/09	0058
11				
12				
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: EDS10PV BFB Injection Date: 04/13/09

Instrument ID: E BFB Injection Time: 0901

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.9
75	30.0 - 66.0% of mass 95	61.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	92.5
175	4.0 - 9.0% of mass 174	6.5 (7.0)1
176	93.0 - 101.0% of mass 174	89.2 (96.4)1
177	5.0 - 9.0% of mass 176	5.9 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0200	ASTD0200	EDS20HV	04/13/09	0955
02	EA041309LCS	EA041309LCS	EDS20HQ	04/13/09	1052
03	MBLK041309EA	MBLK041309EA	EDSB01H	04/13/09	1148
04	IA-14	790104	790104	04/13/09	2305
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6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Calibration Time(s): 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF	RRF	RRF	RRF	RRF	% RSD
	0.01	0.02	0.05	0.1	0.2		
Dichlorodifluoromethane	2.000	1.642	1.684	1.506	1.605		
1,2-Dichlorotetrafluoroethane	1.921	1.698	1.652	1.626	1.652		
Vinyl Chloride		0.606	0.543	0.527	0.550		
1,3-Butadiene		0.462	0.396	0.402	0.372		
Bromomethane		0.664	0.526	0.507	0.521		
Chloroethane		0.341	0.246	0.220	0.216		
Bromoethene		0.552	0.467	0.476	0.485		
Trichlorofluoromethane	2.467	2.153	2.041	2.108	2.107		
1,1-Dichloroethene	0.647	0.635	0.528	0.449	0.457		
3-Chloropropene		0.526	0.620	0.473	0.497		
Methylene Chloride					0.612		
Methyl tert-Butyl Ether	1.005	1.456	1.341	1.281	1.430		
trans-1,2-Dichloroethene	0.966	0.847	0.760	0.770	0.772		
n-Hexane		0.929	0.835	0.733	0.750		
1,1-Dichloroethane	*	1.082	0.941	0.819	0.822	0.834	*
1,2-Dichloroethene (total)	0.733	0.685	0.631	0.602	0.605		
cis-1,2-Dichloroethene	0.500	0.523	0.502	0.434	0.439		
Chloroform	1.229	1.288	1.125	1.100	1.149		
1,1,1-Trichloroethane	0.293	0.328	0.298	0.285	0.290		
Cyclohexane	0.184	0.164	0.156	0.141	0.142		
Carbon Tetrachloride	0.410	0.390	0.338	0.322	0.342		
2,2,4-Trimethylpentane	0.507	0.536	0.453	0.408	0.427		
Benzene	0.342	0.349	0.297	0.238	0.260		
1,2-Dichloroethane		0.200	0.177	0.176	0.178		
n-Heptane	0.217	0.188	0.207	0.168	0.174		
Trichloroethene	0.157	0.184	0.149	0.140	0.141		
1,2-Dichloropropane		0.109	0.092	0.090	0.088		
Bromodichloromethane	0.229	0.248	0.235	0.208	0.231		
cis-1,3-Dichloropropene	0.177	0.158	0.155	0.145	0.147		
Toluene	0.199	0.234	0.210	0.185	0.194		
trans-1,3-Dichloropropene	0.193	0.183	0.174	0.149	0.164		
1,1,2-Trichloroethane	0.107	0.104	0.105	0.088	0.097		
Tetrachloroethene	0.224	0.245	0.219	0.212	0.223		
Dibromochloromethane	0.207	0.218	0.218	0.205	0.224		
1,2-Dibromoethane	0.184	0.190	0.190	0.172	0.181		
Ethylbenzene	0.472	0.458	0.472	0.454	0.482		
Xylene (m,p)	0.141	0.172	0.170	0.157	0.175		

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Calibration Time(s): 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Calibration Time(s): 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF0.5=EDS500V	RRF0.75=EDS750V					% RSD
	RRF1 =EDS1000V	RRF1.5=EDS1500V	RRF2 =EDS2000V	RRF	RRF	RRF	
Dichlorodifluoromethane	1.822	1.462				1.674	11.1
1,2-Dichlorotetrafluoroethane	1.911	1.759				1.746	7.1
Vinyl Chloride	0.597	0.558				0.564	5.5
1,3-Butadiene	0.408	0.376				0.403	8.1
Bromomethane	0.554	0.507				0.546	11.0
Chloroethane	0.228	0.212				0.244	20.1
Bromoethene	0.545	0.496				0.504	7.2
Trichlorofluoromethane	2.377	2.196				2.207	7.1
1,1-Dichloroethene	0.511	0.450				0.525	16.2
3-Chloropropene	0.506	0.512				0.522	9.8
Methylene Chloride	0.586	0.558	0.401	0.564		0.548	13.6
Methyl tert-Butyl Ether	1.403	1.485				1.343	12.2
trans-1,2-Dichloroethene	0.860	0.800				0.825	8.9
n-Hexane	0.786	0.738				0.795	9.5
1,1-Dichloroethane	* 0.848	0.854				0.886	10.8*
1,2-Dichloroethene (total)	0.661	0.630				0.650	7.3
cis-1,2-Dichloroethene	0.462	0.460				0.474	7.2
Chloroform	1.216	1.172				1.183	5.5
1,1,1-Trichloroethane	0.311	0.292				0.300	5.0
Cyclohexane	0.158	0.140				0.155	10.2
Carbon Tetrachloride	0.382	0.344				0.361	9.0
2,2,4-Trimethylpentane	0.457	0.432				0.460	10.0
Benzene	0.258	0.258				0.286	15.5
1,2-Dichloroethane	0.187	0.180				0.183	5.1
n-Heptane	0.177	0.167				0.185	10.6
Trichloroethene	0.155	0.145				0.153	10.0
1,2-Dichloropropane	0.092	0.092				0.094	8.2
Bromodichloromethane	0.259	0.252				0.237	7.2
cis-1,3-Dichloropropene	0.162	0.160				0.158	6.9
Toluene	0.195	0.202				0.203	7.9
trans-1,3-Dichloropropene	0.172	0.179				0.173	8.0
1,1,2-Trichloroethane	0.098	0.100				0.100	6.5
Tetrachloroethene	0.232	0.222				0.225	4.7
Dibromochloromethane	0.232	0.248				0.222	6.8
1,2-Dibromoethane	0.189	0.196				0.186	4.2
Ethylbenzene	0.464	0.486				0.470	2.5
Xylene (m,p)	0.166	0.182				0.166	8.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Calibration Time(s): 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date: 04/13/09 Time: 0955

Lab File ID: EDS20HV Init. Calib. Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Init. Calib. Times: 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF0.2	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.674	1.884	0.01	12.5	30.0
1,2-Dichlorotetrafluoroethane	1.746	1.834	0.01	5.0	30.0
Vinyl Chloride	0.564	0.557	0.01	1.2	30.0
1,3-Butadiene	0.403	0.395	0.01	2.0	30.0
Bromomethane	0.546	0.524	0.01	4.0	30.0
Chloroethane	0.244	0.232	0.01	4.9	30.0
Bromoethene	0.504	0.516	0.01	2.4	30.0
Trichlorofluoromethane	2.207	2.300	0.01	4.2	30.0
1,1-Dichloroethene	0.525	0.452	0.01	13.9	30.0
3-Chloropropene	0.522	0.497	0.01	4.8	30.0
Methylene Chloride	0.548	0.607	0.01	10.8	30.0
Methyl tert-Butyl Ether	1.343	1.487	0.01	10.7	30.0
trans-1,2-Dichloroethene	0.825	0.784	0.01	5.0	30.0
n-Hexane	0.795	0.789	0.01	0.8	30.0
1,1-Dichloroethane	0.886	0.849	0.1	4.2	30.0
1,2-Dichloroethene (total)	0.650	0.618	0.01	4.9	30.0
cis-1,2-Dichloroethene	0.474	0.452	0.01	4.6	30.0
Chloroform	1.183	1.202	0.01	1.6	30.0
1,1,1-Trichloroethane	0.300	0.301	0.01	0.3	30.0
Cyclohexane	0.155	0.147	0.01	5.2	30.0
Carbon Tetrachloride	0.361	0.352	0.01	2.5	30.0
2,2,4-Trimethylpentane	0.460	0.448	0.01	2.6	30.0
Benzene	0.286	0.270	0.01	5.6	30.0
1,2-Dichloroethane	0.183	0.183	0.01	0.0	30.0
n-Heptane	0.185	0.175	0.01	5.4	30.0
Trichloroethene	0.153	0.141	0.01	7.8	30.0
1,2-Dichloropropane	0.094	0.092	0.01	2.1	30.0
Bromodichloromethane	0.237	0.229	0.01	3.4	30.0
cis-1,3-Dichloropropene	0.158	0.154	0.01	2.5	30.0
Toluene	0.203	0.202	0.01	0.5	30.0
trans-1,3-Dichloropropene	0.173	0.169	0.01	2.3	30.0
1,1,2-Trichloroethane	0.100	0.101	0.01	1.0	30.0
Tetrachloroethene	0.225	0.234	0.01	4.0	30.0
Dibromochloromethane	0.222	0.210	0.01	5.4	30.0
1,2-Dibromoethane	0.186	0.180	0.01	3.2	30.0
Ethylbenzene	0.470	0.508	0.01	8.1	30.0
Xylene (m,p)	0.166	0.182	0.01	9.6	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: E Calibration Date: 04/13/09 Time: 0955

Lab File ID: EDS20HV Init. Calib. Date(s): 04/03/09 04/04/09

Heated Purge: (Y/N) N Init. Calib. Times: 1634 0058

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF0.2	MIN RRF	%D	MAX %D
Xylene (o)	0.172	0.177	0.01	2.9	30.0
Xylene (total)	0.172	0.177	0.01	2.9	30.0
Bromoform	0.209	0.205	0.01	1.9	30.0
1,1,2,2-Tetrachloroethane	0.231	0.223	0.01	3.5	30.0
4-Ethyltoluene	0.510	0.551	0.01	8.0	30.0
1,3,5-Trimethylbenzene	0.446	0.455	0.01	2.0	30.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870
 Lab File ID (Standard): EDS20HV Date Analyzed: 04/13/09
 Instrument ID: E Time Analyzed: 0955
 GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
12 HOUR STD	1316234	10.46	6602692	11.87	6164831	15.92
UPPER LIMIT	1842728	10.79	9243769	12.20	8630763	16.25
LOWER LIMIT	789740	10.13	3961615	11.54	3698899	15.59
CLIENT SAMPLE NO.						
01 EA041309LCS	1302211	10.46	6668535	11.86	6251813	15.92
02 MBLK041309EA	1390979	10.46	7384296	11.87	6367317	15.92
03 IA-14	1242174	10.46	6307953	11.87	5789778	15.92
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
 AREA LOWER LIMIT = - 40% of internal standard area
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



Sample Data Summary – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

AKRF2 SAMPLE NO.

SG-14

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: 790103

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 790103

Level: (low/med) LOW Date Received: 03/27/09

% Moisture: not dec. Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8-----	Dichlorodifluoromethane	0.61	
76-14-2-----	1,2-Dichlorotetrafluoroethane	0.20	U
75-01-4-----	Vinyl Chloride	0.20	U
106-99-0-----	1,3-Butadiene	0.50	U
74-83-9-----	Bromomethane	0.20	U
75-00-3-----	Chloroethane	0.50	U
593-60-2-----	Bromoethene	0.20	U
75-69-4-----	Trichlorofluoromethane	0.28	
75-35-4-----	1,1-Dichloroethene	0.20	U
107-05-1-----	3-Chloropropene	0.50	U
75-09-2-----	Methylene Chloride	0.50	U
1634-04-4-----	Methyl tert-Butyl Ether	0.50	U
156-60-5-----	trans-1,2-Dichloroethene	0.20	U
110-54-3-----	n-Hexane	0.50	U
75-34-3-----	1,1-Dichloroethane	0.20	U
156-59-2-----	cis-1,2-Dichloroethene	0.20	U
67-66-3-----	Chloroform	0.20	U
71-55-6-----	1,1,1-Trichloroethane	0.20	U
110-82-7-----	Cyclohexane	0.20	U
56-23-5-----	Carbon Tetrachloride	0.20	U
540-84-1-----	2,2,4-Trimethylpentane	0.20	U
71-43-2-----	Benzene	0.33	
540-59-0-----	1,2-Dichloroethene (total)	0.20	U
107-06-2-----	1,2-Dichloroethane	0.20	U
142-82-5-----	n-Heptane	0.20	U
79-01-6-----	Trichloroethene	0.20	U
78-87-5-----	1,2-Dichloropropane	0.20	U
75-27-4-----	Bromodichloromethane	0.20	U
10061-01-5-----	cis-1,3-Dichloropropene	0.20	U
108-88-3-----	Toluene	2.5	
10061-02-6-----	trans-1,3-Dichloropropene	0.20	U
79-00-5-----	1,1,2-Trichloroethane	0.20	U
127-18-4-----	Tetrachloroethene	0.20	U

FORM I VOA

BCLP04114

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

AKRF2 SAMPLE NO.

SG-14

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: 790103

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 790103

Level: (low/med) LOW Date Received: 03/27/09

% Moisture: not dec. Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
124-48-1-----	Dibromochloromethane _____	0.20	U
106-93-4-----	1,2-Dibromoethane _____	0.20	U
100-41-4-----	Ethylbenzene _____	0.20	U
1330-20-7-----	Xylene (m,p) _____	0.65	_____
95-47-6-----	Xylene (o) _____	0.31	_____
75-25-2-----	Bromoform _____	0.20	U
79-34-5-----	1,1,2,2-Tetrachloroethane _____	0.20	U
1330-20-7-----	Xylene (total) _____	0.98	_____
622-96-8-----	4-Ethyltoluene _____	0.20	U
108-67-8-----	1,3,5-Trimethylbenzene _____	0.28	_____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK032709GA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: MBLK032709GA

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDHB01AH

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8-----	Dichlorodifluoromethane	0.50	U
76-14-2-----	1,2-Dichlorotetrafluoroethane	0.20	U
75-01-4-----	Vinyl Chloride	0.20	U
106-99-0-----	1,3-Butadiene	0.50	U
74-83-9-----	Bromomethane	0.20	U
75-00-3-----	Chloroethane	0.50	U
593-60-2-----	Bromoethene	0.20	U
75-69-4-----	Trichlorofluoromethane	0.20	U
75-35-4-----	1,1-Dichloroethene	0.20	U
107-05-1-----	3-Chloropropene	0.50	U
75-09-2-----	Methylene Chloride	0.50	U
1634-04-4-----	Methyl tert-Butyl Ether	0.50	U
156-60-5-----	trans-1,2-Dichloroethene	0.20	U
110-54-3-----	n-Hexane	0.50	U
75-34-3-----	1,1-Dichloroethane	0.20	U
156-59-2-----	cis-1,2-Dichloroethene	0.20	U
67-66-3-----	Chloroform	0.20	U
71-55-6-----	1,1,1-Trichloroethane	0.20	U
110-82-7-----	Cyclohexane	0.20	U
56-23-5-----	Carbon Tetrachloride	0.20	U
540-84-1-----	2,2,4-Trimethylpentane	0.20	U
71-43-2-----	Benzene	0.20	U
540-59-0-----	1,2-Dichloroethene (total)	0.20	U
107-06-2-----	1,2-Dichloroethane	0.20	U
142-82-5-----	n-Heptane	0.20	U
79-01-6-----	Trichloroethene	0.20	U
78-87-5-----	1,2-Dichloropropane	0.20	U
75-27-4-----	Bromodichloromethane	0.20	U
10061-01-5-----	cis-1,3-Dichloropropene	0.20	U
108-88-3-----	Toluene	0.20	U
10061-02-6-----	trans-1,3-Dichloropropene	0.20	U
79-00-5-----	1,1,2-Trichloroethane	0.20	U
127-18-4-----	Tetrachloroethene	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK032709GA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: MBLK032709GA

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDHB01AH

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
124-48-1-----	Dibromochloromethane	0.20	U
106-93-4-----	1,2-Dibromoethane	0.20	U
100-41-4-----	Ethylbenzene	0.20	U
1330-20-7-----	Xylene (m,p)	0.50	U
95-47-6-----	Xylene (o)	0.20	U
75-25-2-----	Bromoform	0.20	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.20	U
1330-20-7-----	Xylene (total)	0.20	U
622-96-8-----	4-Ethyltoluene	0.20	U
108-67-8-----	1,3,5-Trimethylbenzene	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GA032709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: GA032709LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDH1AHQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8-----	Dichlorodifluoromethane	10	_____
76-14-2-----	1,2-Dichlorotetrafluoroethane	10	_____
75-01-4-----	Vinyl Chloride	9.0	_____
106-99-0-----	1,3-Butadiene	9.0	_____
74-83-9-----	Bromomethane	9.9	_____
75-00-3-----	Chloroethane	9.0	_____
593-60-2-----	Bromoethene	11	_____
75-69-4-----	Trichlorofluoromethane	11	_____
75-35-4-----	1,1-Dichloroethene	11	_____
107-05-1-----	3-Chloropropene	8.7	_____
75-09-2-----	Methylene Chloride	8.9	_____
1634-04-4-----	Methyl tert-Butyl Ether	9.1	_____
156-60-5-----	trans-1,2-Dichloroethene	9.6	_____
110-54-3-----	n-Hexane	9.2	_____
75-34-3-----	1,1-Dichloroethane	9.4	_____
156-59-2-----	cis-1,2-Dichloroethene	10	_____
67-66-3-----	Chloroform	9.9	_____
71-55-6-----	1,1,1-Trichloroethane	12	_____
110-82-7-----	Cyclohexane	12	_____
56-23-5-----	Carbon Tetrachloride	12	_____
540-84-1-----	2,2,4-Trimethylpentane	11	_____
71-43-2-----	Benzene	11	_____
540-59-0-----	1,2-Dichloroethene (total)	20	_____
107-06-2-----	1,2-Dichloroethane	11	_____
142-82-5-----	n-Heptane	9.8	_____
79-01-6-----	Trichloroethene	12	_____
78-87-5-----	1,2-Dichloropropane	10	_____
75-27-4-----	Bromodichloromethane	12	_____
10061-01-5-----	cis-1,3-Dichloropropene	11	_____
108-88-3-----	Toluene	10	_____
10061-02-6-----	trans-1,3-Dichloropropene	11	_____
79-00-5-----	1,1,2-Trichloroethane	9.9	_____
127-18-4-----	Tetrachloroethene	12	_____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GA032709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: GA032709LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDH1AHQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
124-48-1-----	Dibromochloromethane	12	_____
106-93-4-----	1,2-Dibromoethane	11	_____
100-41-4-----	Ethylbenzene	10	_____
1330-20-7-----	Xylene (m,p)	21	_____
95-47-6-----	Xylene (o)	11	_____
75-25-2-----	Bromoform	13	_____
79-34-5-----	1,1,2,2-Tetrachloroethane	9.9	_____
1330-20-7-----	Xylene (total)	32	_____
622-96-8-----	4-Ethyltoluene	11	_____
108-67-8-----	1,3,5-Trimethylbenzene	11	_____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GA032709LCSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: GA032709LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDH1AHQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8-----	Dichlorodifluoromethane	10	
76-14-2-----	1,2-Dichlorotetrafluoroethan	9.8	
75-01-4-----	Vinyl Chloride	8.7	
106-99-0-----	1,3-Butadiene	8.9	
74-83-9-----	Bromomethane	9.7	
75-00-3-----	Chloroethane	8.8	
593-60-2-----	Bromoethene	11	
75-69-4-----	Trichlorofluoromethane	10	
75-35-4-----	1,1-Dichloroethene	11	
107-05-1-----	3-Chloropropene	8.4	
75-09-2-----	Methylene Chloride	8.8	
1634-04-4-----	Methyl tert-Butyl Ether	9.2	
156-60-5-----	trans-1,2-Dichloroethene	9.3	
110-54-3-----	n-Hexane	9.0	
75-34-3-----	1,1-Dichloroethane	9.1	
156-59-2-----	cis-1,2-Dichloroethene	10	
67-66-3-----	Chloroform	9.7	
71-55-6-----	1,1,1-Trichloroethane	10	
110-82-7-----	Cyclohexane	10	
56-23-5-----	Carbon Tetrachloride	11	
540-84-1-----	2,2,4-Trimethylpentane	9.2	
71-43-2-----	Benzene	9.3	
540-59-0-----	1,2-Dichloroethene (total)	20	
107-06-2-----	1,2-Dichloroethane	9.5	
142-82-5-----	n-Heptane	8.6	
79-01-6-----	Trichloroethene	10	
78-87-5-----	1,2-Dichloropropane	9.0	
75-27-4-----	Bromodichloromethane	10	
10061-01-5-----	cis-1,3-Dichloropropene	9.5	
108-88-3-----	Toluene	9.7	
10061-02-6-----	trans-1,3-Dichloropropene	9.5	
79-00-5-----	1,1,2-Trichloroethane	9.3	
127-18-4-----	Tetrachloroethene	11	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GA032709LCSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix: (soil/water) AIR Lab Sample ID: GA032709LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: GDH1AHQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 03/27/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
124-48-1-----	Dibromochloromethane	11	
106-93-4-----	1,2-Dibromoethane	10	
100-41-4-----	Ethylbenzene	9.9	
1330-20-7-----	Xylene (m,p)	20	
95-47-6-----	Xylene (o)	10	
75-25-2-----	Bromoform	12	
79-34-5-----	1,1,2,2-Tetrachloroethane	9.4	
1330-20-7-----	Xylene (total)	31	
622-96-8-----	4-Ethyltoluene	11	
108-67-8-----	1,3,5-Trimethylbenzene	10	

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: GA032709LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		10	100	70-130
1,2-Dichlorotetrafluoro	10		10	100	70-130
Vinyl Chloride	10		9.0	90	70-130
1,3-Butadiene	10		9.0	90	70-130
Bromomethane	10		9.9	99	70-130
Chloroethane	10		9.0	90	70-130
Bromoethene	10		11	110	70-130
Trichlorofluoromethane	10		11	110	70-130
1,1-Dichloroethene	10		11	110	70-130
3-Chloropropene	10		8.7	87	70-130
Methylene Chloride	10		8.9	89	70-130
Methyl tert-Butyl Ether	10		9.1	91	70-130
trans-1,2-Dichloroethene	10		9.6	96	70-130
n-Hexane	10		9.2	92	70-130
1,1-Dichloroethane	10		9.4	94	70-130
cis-1,2-Dichloroethene	10		10	100	70-130
Chloroform	10		9.9	99	70-130
1,1,1-Trichloroethane	10		12	120	70-130
Cyclohexane	10		12	120	70-130
Carbon Tetrachloride	10		12	120	70-130
2,2,4-Trimethylpentane	10		11	110	70-130
Benzene	10		11	110	70-130
1,2-Dichloroethene (tot)	20		20	100	70-130
1,2-Dichloroethane	10		11	110	70-130
n-Heptane	10		9.8	98	70-130
Trichloroethene	10		12	120	70-130
1,2-Dichloropropane	10		10	100	70-130
Bromodichloromethane	10		12	120	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: GA032709LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
cis-1,3-Dichloropropene	10		11	110	70-130
Toluene	10		10	100	70-130
trans-1,3-Dichloropropene	10		11	110	70-130
1,1,2-Trichloroethane	10		9.9	99	70-130
Tetrachloroethene	10		12	120	70-130
Dibromochloromethane	10		12	120	70-130
1,2-Dibromoethane	10		11	110	70-130
Ethylbenzene	10		10	100	70-130
Xylene (m,p)	20		21	105	70-130
Xylene (o)	10		11	110	70-130
Bromoform	10		13	130	70-130
1,1,2,2-Tetrachloroethane	10		9.9	99	70-130
Xylene (total)	30		32	107	70-130
4-Ethyltoluene	10		11	110	70-130
1,3,5-Trimethylbenzene	10		11	110	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: GA032709LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Dichlorodifluoromethane	10	10	100	0	25	70-130
1,2-Dichlorotetrafluoro	10	9.8	98	2	25	70-130
Vinyl Chloride	10	8.7	87	3	25	70-130
1,3-Butadiene	10	8.9	89	1	25	70-130
Bromomethane	10	9.7	97	2	25	70-130
Chloroethane	10	8.8	88	2	25	70-130
Bromoethene	10	11	110	0	25	70-130
Trichlorofluoromethane	10	10	100	10	25	70-130
1,1-Dichloroethene	10	11	110	0	25	70-130
3-Chloropropene	10	8.4	84	4	25	70-130
Methylene Chloride	10	8.8	88	1	25	70-130
Methyl tert-Butyl Ether	10	9.2	92	1	25	70-130
trans-1,2-Dichloroethen	10	9.3	93	3	25	70-130
n-Hexane	10	9.0	90	2	25	70-130
1,1-Dichloroethane	10	9.1	91	3	25	70-130
cis-1,2-Dichloroethene	10	10	100	0	25	70-130
Chloroform	10	9.7	97	2	25	70-130
1,1,1-Trichloroethane	10	10	100	18	25	70-130
Cyclohexane	10	10	100	18	25	70-130
Carbon Tetrachloride	10	11	110	9	25	70-130
2,2,4-Trimethylpentane	10	9.2	92	18	25	70-130
Benzene	10	9.3	93	17	25	70-130
1,2-Dichloroethene (tot)	20	20	100	0	25	70-130
1,2-Dichloroethane	10	9.5	95	15	25	70-130
n-Heptane	10	8.6	86	13	25	70-130
Trichloroethene	10	10	100	18	25	70-130
1,2-Dichloropropane	10	9.0	90	10	25	70-130
Bromodichloromethane	10	10	100	18	25	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Matrix Spike - Sample No.: GA032709LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
cis-1,3-Dichloropropene	10	9.5	95	15	25	70-130
Toluene	10	9.7	97	3	25	70-130
trans-1,3-Dichloropropene	10	9.5	95	15	25	70-130
1,1,2-Trichloroethane	10	9.3	93	6	25	70-130
Tetrachloroethylene	10	11	110	9	25	70-130
Dibromochloromethane	10	11	110	9	25	70-130
1,2-Dibromoethane	10	10	100	10	25	70-130
Ethylbenzene	10	9.9	99	1	25	70-130
Xylene (m,p)	20	20	100	5	25	70-130
Xylene (o)	10	10	100	10	25	70-130
Bromoform	10	12	120	8	25	70-130
1,1,2,2-Tetrachloroethane	10	9.4	94	5	25	70-130
Xylene (total)	30	31	103	4	25	70-130
4-Ethyltoluene	10	11	110	0	25	70-130
1,3,5-Trimethylbenzene	10	10	100	10	25	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 43 outside limits

Spike Recovery: 0 out of 86 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

MBLK032709GA

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: GDHB01AH Lab Sample ID: MBLK032709GA

Date Analyzed: 03/27/09 Time Analyzed: 1150

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: G

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 GA032709LCS	GA032709LCS	GDH1AHQ	1014
02 GA032709LCSD	GA032709LCSD	GDH1AHQD	1102
03 SG-14	790103	790103	1816
04			
05			
06			
07			
08			
09			
10			
11			
12			
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: GDH01PV BFB Injection Date: 02/16/09

Instrument ID: G BFB Injection Time: 1709

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.2
75	30.0 - 66.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	101.6
175	4.0 - 9.0% of mass 174	7.0 (6.9)1
176	93.0 - 101.0% of mass 174	99.2 (97.6)1
177	5.0 - 9.0% of mass 176	6.4 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 ASTD0.2	ASTD0.2	GDH002V	02/16/09	1901
02 ASTD0.5	ASTD0.5	GDH005V	02/16/09	1949
03 ASTD005	ASTD005	GDH05V	02/16/09	2037
04 ASTD010	ASTD010	GDH10V	02/16/09	2125
05 ASTD015	ASTD015	GDH15V	02/16/09	2213
06 ASTD040	ASTD040	GDH40V	02/16/09	2350
07 ASTD020	ASTD020	GDH20V2	02/17/09	0038
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Lab File ID: GDH35PV BFB Injection Date: 03/27/09

Instrument ID: G BFB Injection Time: 0830

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.0
75	30.0 - 66.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	110.3
175	4.0 - 9.0% of mass 174	7.5 (6.8)1
176	93.0 - 101.0% of mass 174	108.3 (98.2)1
177	5.0 - 9.0% of mass 176	6.9 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	GDH1AHV	03/27/09	0925
02	GA032709LCS	GA032709LCS	GDH1AHQ	03/27/09	1014
03	GA032709LCSD	GA032709LCSD	GDH1AHQD	03/27/09	1102
04	MBLK032709GA	MBLK032709GA	GDHB01AH	03/27/09	1150
05	SG-14	790103	790103	03/27/09	1816
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6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Calibration Time(s): 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF2 =	RRF0.2=GDH002V RRF5 =GDH05V	RRF0.5=GDH005V RRF10 =GDH10V	RRF	% RSD
COMPOUND	RRF0.2	RRF0.5	RRF2	RRF5
Dichlorodifluoromethane	1.816		1.706	1.865
1,2-Dichlorotetrafluoroethane	1.854	1.919	1.809	1.992
Vinyl Chloride	0.626	0.639	0.597	0.656
1,3-Butadiene		0.390	0.384	0.435
Bromomethane	0.788	0.804	0.733	0.813
Chloroethane		0.356	0.316	0.358
Bromoethene	0.767	0.802	0.762	0.842
Trichlorofluoromethane	2.369	2.511	2.339	2.548
1,1-Dichloroethene	0.705	0.676	0.621	0.690
3-Chloropropene		0.826	0.714	0.781
Methylene Chloride		1.090	0.748	0.796
Methyl tert-Butyl Ether		1.610	1.596	1.678
trans-1,2-Dichloroethene	1.022	1.130	1.062	1.164
n-Hexane		1.043	0.952	1.059
1,1-Dichloroethane	* 1.348	1.395	1.288	1.405
cis-1,2-Dichloroethene	0.786	0.788	0.732	0.808
Chloroform	1.743	1.769	1.663	1.770
1,1,1-Trichloroethane	0.396	0.488	0.408	0.458
Cyclohexane	0.193	0.236	0.203	0.227
Carbon Tetrachloride	0.432	0.536	0.467	0.524
2,2,4-Trimethylpentane	0.696	0.810	0.677	0.750
Benzene	0.491	0.556	0.446	0.489
1,2-Dichloroethene (total)	0.904	0.959	0.897	0.986
1,2-Dichloroethane	0.234	0.280	0.235	0.255
n-Heptane	0.270	0.313	0.246	0.269
Trichloroethene	0.236	0.290	0.239	0.266
1,2-Dichloropropane	0.170	0.190	0.160	0.176
Bromodichloromethane	0.354	0.443	0.391	0.439
cis-1,3-Dichloropropene	0.263	0.296	0.262	0.295
Toluene	0.350	0.371	0.333	0.356
trans-1,3-Dichloropropene	0.275	0.304	0.276	0.305
1,1,2-Trichloroethane	0.182	0.205	0.179	0.189
Tetrachloroethene	0.380	0.432	0.370	0.404
Dibromochloromethane	0.388	0.459	0.457	0.508
1,2-Dibromoethane	0.335	0.377	0.353	0.383
Ethylbenzene	0.781	0.814	0.740	0.778
Xylene (m,p)	0.281	0.298	0.286	0.300

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Calibration Time(s): 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Calibration Time(s): 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF15 =GDH15V RRF40 =GDH40V	RRF15	RRF20	RRF40			RRF	% RSD
Dichlorodifluoromethane	1.721	1.706				1.763	4.2
1,2-Dichlorotetrafluoroethane	1.865	1.830				1.878	3.6
Vinyl Chloride	0.626	0.624				0.628	3.1
1,3-Butadiene	0.414	0.409				0.406	5.0
Bromomethane	0.790	0.798				0.788	3.6
Chloroethane	0.342	0.346				0.344	4.9
Bromoethene	0.843	0.843				0.810	4.7
Trichlorofluoromethane	2.377	2.434				2.430	3.5
1,1-Dichloroethene	0.720	0.704				0.686	5.1
3-Chloropropene	0.778	0.768				0.773	5.2
Methylene Chloride	0.772	0.756				0.832	17.4
Methyl tert-Butyl Ether	1.885	1.876				1.729	8.2
trans-1,2-Dichloroethene	1.147	1.134				1.110	5.0
n-Hexane	1.046	1.029				1.026	4.1
1,1-Dichloroethane	1.403	1.381				1.370	3.3*
cis-1,2-Dichloroethene	0.832	0.826				0.795	4.6
Chloroform	1.788	1.784				1.753	2.7
1,1,1-Trichloroethane	0.438	0.462				0.442	7.8
Cyclohexane	0.224	0.233				0.219	8.0
Carbon Tetrachloride	0.505	0.534				0.500	8.4
2,2,4-Trimethylpentane	0.739	0.765				0.740	6.5
Benzene	0.498	0.522				0.500	7.4
1,2-Dichloroethene (total)	0.990	0.980				0.953	4.4
1,2-Dichloroethane	0.248	0.260				0.252	6.8
n-Heptane	0.258	0.261				0.270	8.5
Trichloroethene	0.262	0.275				0.261	8.0
1,2-Dichloropropane	0.183	0.188				0.178	6.5
Bromodichloromethane	0.436	0.456				0.420	9.2
cis-1,3-Dichloropropene	0.311	0.322				0.292	8.5
Toluene	0.390	0.376				0.363	5.7
trans-1,3-Dichloropropene	0.327	0.342				0.305	8.8
1,1,2-Trichloroethane	0.206	0.199				0.193	6.0
Tetrachloroethene	0.434	0.434				0.409	7.1
Dibromochloromethane	0.542	0.537				0.482	12.2
1,2-Dibromoethane	0.414	0.409				0.378	8.1
Ethylbenzene	0.874	0.828				0.802	5.8
Xylene (m,p)	0.347	0.333				0.308	8.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Calibration Time(s): 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date: 03/27/09 Time: 0925

Lab File ID: GDH1AHV Init. Calib. Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Init. Calib. Times: 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.763	1.818	0.01	3.1	30.0
1,2-Dichlorotetrafluoroethane	1.878	1.826	0.01	2.8	30.0
Vinyl Chloride	0.628	0.543	0.01	13.5	30.0
1,3-Butadiene	0.406	0.344	0.01	15.3	30.0
Bromomethane	0.788	0.768	0.01	2.5	30.0
Chloroethane	0.344	0.304	0.01	11.6	30.0
Bromoethene	0.810	0.825	0.01	1.8	30.0
Trichlorofluoromethane	2.430	2.495	0.01	2.7	30.0
1,1-Dichloroethene	0.686	0.668	0.01	2.6	30.0
3-Chloropropene	0.773	0.628	0.01	18.8	30.0
Methylene Chloride	0.832	0.652	0.01	21.6	30.0
Methyl tert-Butyl Ether	1.729	1.689	0.01	2.3	30.0
trans-1,2-Dichloroethene	1.110	1.002	0.01	9.7	30.0
n-Hexane	1.026	0.880	0.01	14.2	30.0
1,1-Dichloroethane	1.370	1.219	0.1	11.0	30.0
cis-1,2-Dichloroethene	0.795	0.761	0.01	4.3	30.0
Chloroform	1.753	1.666	0.01	5.0	30.0
1,1,1-Trichloroethane	0.442	0.425	0.01	3.8	30.0
Cyclohexane	0.219	0.203	0.01	7.3	30.0
Carbon Tetrachloride	0.500	0.503	0.01	0.6	30.0
2,2,4-Trimethylpentane	0.740	0.637	0.01	13.9	30.0
Benzene	0.500	0.451	0.01	9.8	30.0
1,2-Dichloroethene (total)	0.953	0.882	0.01	7.4	30.0
1,2-Dichloroethane	0.252	0.234	0.01	7.1	30.0
n-Heptane	0.270	0.216	0.01	20.0	30.0
Trichloroethene	0.261	0.251	0.01	3.8	30.0
1,2-Dichloropropane	0.178	0.161	0.01	9.6	30.0
Bromodichloromethane	0.420	0.410	0.01	2.4	30.0
cis-1,3-Dichloropropene	0.292	0.279	0.01	4.4	30.0
Toluene	0.363	0.362	0.01	0.3	30.0
trans-1,3-Dichloropropene	0.305	0.294	0.01	3.6	30.0
1,1,2-Trichloroethane	0.193	0.193	0.01	0.0	30.0
Tetrachloroethene	0.409	0.446	0.01	9.0	30.0
Dibromochloromethane	0.482	0.533	0.01	10.6	30.0
1,2-Dibromoethane	0.378	0.398	0.01	5.3	30.0
Ethylbenzene	0.802	0.816	0.01	1.7	30.0
Xylene (m,p)	0.308	0.326	0.01	5.8	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870

Instrument ID: G Calibration Date: 03/27/09 Time: 0925

Lab File ID: GDH1AHV Init. Calib. Date(s): 02/16/09 02/17/09

Heated Purge: (Y/N) N Init. Calib. Times: 1901 0038

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Xylene (o)	0.300	0.318	0.01	6.0	30.0
Bromoform	0.520	0.621	0.01	19.4	30.0
1,1,2,2-Tetrachloroethane	0.476	0.486	0.01	2.1	30.0
Xylene (total)	0.300	0.318	0.01	6.0	30.0
4-Ethyltoluene	0.860	0.945	0.01	9.9	30.0
1,3,5-Trimethylbenzene	0.711	0.789	0.01	11.0	30.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130870
 Lab File ID (Standard): GDH1AHV Date Analyzed: 03/27/09
 Instrument ID: G Time Analyzed: 0925
 GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
12 HOUR STD	330308	9.85	1485593	11.23	1418733	15.31
UPPER LIMIT	462431	10.18	2079830	11.56	1986226	15.64
LOWER LIMIT	198185	9.52	891356	10.90	851240	14.98
CLIENT SAMPLE NO.						
01 GA032709LCS	319977	9.85	1224871	11.23	1245792	15.31
02 GA032709LCSD	329503	9.86	1409918	11.24	1356565	15.31
03 MBLK032709GA	313935	9.85	1394390	11.23	1259781	15.31
04 SG-14	289084	9.85	1292850	11.23	1290230	15.31
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
 AREA LOWER LIMIT = - 40% of internal standard area
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.